APPENDIX B – AIR QUALITY, HEALTH RISK, GHG, AND ENERGY ANALYSIS

AIR QUALITY, HEALTH RISK, GREENHOUSE GAS, AND ENERGY IMPACT REPORT

JOHN S. GIBSON TRAILER LOT PROJECT

PORT OF LOS ANGELES, CALIFORNIA

LSA

August 2024

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PORT OF LOS ANGELES, CALIFORNIA

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TABLE OF CONTENTS

TABLE OF CONTENTS i
FIGURES AND TABLES iii
LIST OF ABBREVIATIONS AND ACRONYMS iv
INTRODUCTION 1
Project Location and Description 1
Existing Land Uses in the Project Area 4
BACKGROUND 5
Air Pollutants and Health Effects 5
Ozone 6
Carbon Monoxide 6
Particulate Matter 6
Nitrogen Dioxide 6
Sulfur Dioxide 6
Lead 6
Volatile Organic Compounds 7
Toxic Air Contaminants 7
Energy 11
Electricity 11
Natural Gas 11
Fuel 12
Greenhouse Gases 13
Carbon Dioxide 14
Methane 15
Nitrous Oxide 15
Hydrofluorocarbons, Perfluorocarbons, and Sulfur Hexafluoride 15
Black Carbon 15
REGULATORY SETTING 17
Air Quality Regulations 17
Federal Regulations 17
State Regulations 17
Regional Regulations 19
Local Regulations 22
Energy Regulatory Setting 23
Federal Regulations 24
State Regulations 24
Regional Regulations 26
Local Regulations 26
Greenhouse Gas Regulatory Setting 27
Federal Regulations 27
State Regulations 28
Regional Regulations 36
Local Regulations 37

SETTING 38
Attainment Status 38
Existing Climate and Air Quality 38
Air Quality Monitoring Results 40
Greenhouse Gas Emissions Inventory 40
Global Emissions 40
United States Emissions 42
State of California Emissions 42
City of Los Angeles Emissions 42
Port of Los Angeles GHG Emissions 43
METHODOLOGY 44
Construction Emissions 44
Operational Emissions 44
Health Risk Assessment 45
Emission Sources 46
American Meteorological Society/Environmental Protection Agency Regulatory Model Dispersion Modeling 48
Hotspots Analysis and Reporting Program Modeling 49
Population-Wide Risks (Cancer Burden) 50
Energy Use 50
Greenhouse Gas Analysis 51
THRESHOLDS OF SIGNIFICANCE 52
Air quality 52
Criteria Pollutant Thresholds 53
Health Risk Thresholds 53
Localized Impacts Analysis 54
Local Microscale Concentration Standards 55
Greenhouse Gas Thresholds 55
IMPACTS ANALYSIS 57
Air Quality Impacts 57
Consistency with Applicable Air Quality Plans 57
Criteria Pollutant Analysis 59
Health Risk on Nearby Sensitive Receptors 63
Localized Significance Analysis 65
Odors 66
Energy Impacts 67
Energy Consumption 67
Conflict with Renewable Energy or Energy Efficiency Plans 69
Greenhouse Gas Impacts 70
Generation of Greenhouse Gas Emissions 70
Consistency with Greenhouse Gas Emissions Reduction Plans 72
CONCLUSIONS 76

FIGURES AND TABLES

FIGURES

Figure 1: Regional Project Location 2
Figure 2: Site Plan 3
Figure 3: Project Sources and Receptors 47
Figure 4: Project Area Wind Patterns 49

TABLES

Table A: Sources and Health Effects of Air Pollutants 8
Table B: Federal and State Ambient Air Quality Standards 9
Table C: Global Warming Potential of Greenhouse Gases 14
Table D: Senate Bill 375 Regional Greenhouse Gas Emissions Reduction Targets 32
Table E: Attainment Status of Criteria Pollutants in the South Coast Air Basin 38
Table F: Ambient Air Quality at the Nearest Monitoring Stations 41
Table G: Total Municipal Emissions by Sector (2008 and 2017-2020) 43
Table H: POLA-Wide Air Emissions Comparison 43
Table I: Regional Thresholds for Construction and Operational Emissions 53
Table J: South Coast Air Quality Management District Localized Significance Thresholds 55
Table K: Tentative Project Construction Schedule 60
Table L: Diesel Construction Equipment Utilized by Construction Phase 60
Table M: Project Construction Emissions 61
Table N: Project Operational Emissions 62
Table O: Health Risks from Project Construction to Off-Site Receptors 64
Table P: Health Risks from Project Operation to Off-Site Receptors 65
Table Q: Project Cancer Burden 65
Table R: Project Localized Construction Emissions (lbs/day) 66
Table S: Project Localized Operational Emissions (lbs/day) 66
Table T: Proposed Project Energy Consumption Estimates during Construction 68
Table U: Proposed Project Energy Consumption Estimates during Operation 69
Table V: Greenhouse Gas Emissions 71

APPENDICES

A: CALEEMOD OUTPUT SHEETS
B: HRA MODEL SNAPSHOTS AND OUTPUTS
C: DETAILED ENERGY CALCULATIONS

LIST OF ABBREVIATIONS AND ACRONYMS

°C	degrees Celsius
°F	degrees Fahrenheit
µg/m^3	micrograms per cubic meter
AAQS	ambient air quality standards
AB	Assembly Bill
APN	Assessor's Parcel Number
AQMP	Air Quality Management Plan
Basin	South Coast Air Basin
BAU	business-as-usual
BTU	British thermal units
CAA	Clean Air Act
CAAQS	California Ambient Air Quality Standards
CAFE	Corporate Average Fuel Economy
CalEEMod	California Emissions Estimator Model
CalEPA	California Environmental Protection Agency
CALGreen Code	California Green Building Standards Code
CalRecycle	California Department of Resources Recycling and Recovery
CAP	Climate Action Plan
CARB	California Air Resources Board
CAT	Climate Action Team
CBC	California Building Code
CBSC	California Building Standards Commission
CCAA	California Clean Air Act
CCR	California Code of Regulations
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CH_4	methane
City	City of Los Angeles
CO	carbon monoxide

CO_2	carbon dioxide
CO_2e	carbon dioxide equivalent
County	County of Los Angeles
CPUC	California Public Utilities Commission
DPM	diesel particulate matter
EIA	Energy Information Administration
EIR	Environmental Impact Report
EMFAC	California Emissions Factor Model
EO	Executive Order
GHG	greenhouse gas
GWh	gigawatt-hour
GWP	global warming potential
H_2S	hydrogen sulfide
HFCs	hydrofluorocarbons
HI	Hazard Index
HRA	Health Risk Assessment
I-110	Interstate 110
IPCC	Intergovernmental Panel on Climate Change
kWh	kilowatt-hour
LADWP	Los Angeles Department of Water and Power
lbs/day	pounds per day
LCFS	Low Carbon Fuel Standard
LST	localized significance threshold
MEI	maximally exposed individual
mg/m^3	milligrams per cubic meter
MICR	maximum individual cancer risk
MMT	million metric tons
MMT CO_2e	million metric tons of carbon dioxide equivalent
mpg	miles per gallon
mph	miles per hour
MPO	Metropolitan Planning Organization

MT	metric tons
MT CO_2e	metric tons of carbon dioxide equivalent
MT CO_2e/yr	metric tons of carbon dioxide equivalent per year
MW	megawatt
N_2O	nitrous oxide
NAAQS	National Ambient Air Quality Standards
NHTSA	National Highway Traffic Safety Administration
NO	nitric oxide
NO_2	nitrogen dioxide
NO_X	nitrogen oxides
O_3	ozone (or smog)
OPR	Governor's Office of Planning and Research
PFCs	perfluorocarbons
PM	particulate matter
$PM_{2.5}$	particulate matter less than 2.5 microns in size
PM_{10}	particulate matter less than 10 microns in size
ppb	parts per billion
ppm	parts per million
PRC	Public Resources Code
Project	John S. Gibson Trailer Lot Project
RCP	Regional Comprehensive Plan
RMP	Risk Management Policy
ROCs	reactive organic compounds
ROGs	reactive organic gases
RPS	Renewables Portfolio Standard
RTIP	Regional Transportation Improvement Program
RTP	Regional Transportation Plan
RTP/SCS	Regional Transportation Plan/Sustainable Communities Strategy
SB	Senate Bill
SCAG	Southern California Association of Governments
SCS	Sustainable Communities Strategy

SF_6	sulfur hexafluoride
SO_2	sulfur dioxide
SO_X	sulfur oxides
SoCalGas	Southern California Gas Company
sq ft	square foot/feet
sq mi	square mile
SRA	Source Receptor Area
TAC	toxic air contaminant
UNFCCC	United Nations Framework Convention on Climate Change
URF	unit risk factor
USDOT	United States Department of Transportation
USEPA	United States Environmental Protection Agency
VMT	vehicle miles traveled
VOCs	volatile organic compounds
ZEV	zero-emission vehicle
ZNE	zero net energy

INTRODUCTION

This Air Quality, Heath Risk, Greenhouse Gas (GHG), and Energy Impact Report has been prepared to evaluate the potential air quality, health risk, energy and GHG emissions impacts associated with the proposed John S. Gibson Trailer Lot Project (Project) in the Port of Los Angeles, within the City of Los Angles (City), County of Los Angeles (County), California. This report follows the guidelines identified by the South Coast Air Quality Management District (SCAQMD) in its *California Environmental Quality Act (CEQA) Air Quality Handbook*,[1] and associated updates. In keeping with these guidelines, this analysis describes existing air quality, including air quality and GHG emissions generated from Project-related sources, regional air pollution, and global climate change. In addition, this analysis discusses energy use resulting from implementation of the proposed Project and evaluates whether the proposed Project would result in the wasteful, inefficient, or unnecessary consumption of energy resources or conflict with any applicable plans for renewable energy and energy efficiency.

PROJECT LOCATION AND DESCRIPTION

The 18.635-acre Project site is located at 1599 John S. Gibson Boulevard in the community of San Pedro in the southwestern portion of the City of Los Angeles within the Port of Los Angeles Master Plan planning community in Los Angeles County. The Project site is currently undeveloped and consists of Assessor's Parcel Numbers (APNs) 7440-016-001, 7440-016-002, 7440-016-003, and 7412-024-007. The Project site is bounded by Interstate 110 (I-110) to the north and west, John S. Gibson Boulevard to the east, and existing container terminals to the south. A portion of the Project site is in the western portion of the Port of Los Angeles Master Plan Planning Area 2, which encompasses the West Basin and Wilmington areas. See Figure 1, Regional Project Location, and Figure 2, Site Plan, below.

The proposed Project would construct a short-term trailer parking facility and related site improvements. The Project would include paving of the site and striping of 393 trailer stalls. The 393 trailer stalls would be 11 feet by 40 feet and would occupy approximately 405,602 square feet (sq ft). In addition, the proposed Project would include installation of a prefabricated guard booth and restroom for use by truck drivers and Project employees.

The proposed Project would also include approximately 316,373 sq ft of drought tolerant ornamental landscaping that would cover approximately 38.97 percent of the Project site. The proposed Project would use a water-efficient automatic irrigation controller and would utilize reclaimed rainwater to irrigate the landscape area. In addition, the proposed Project would construct a traffic signal and a 40-foot-wide access driveway off John S. Gibson Boulevard to allow vehicles to access the proposed Project site.

[1] South Coast Air Quality Management District (SCAQMD). 1993. *CEQA Air Quality Handbook*. Website: http://www.aqmd.gov/home/rules-compliance/ceqa/air-quality-analysis-handbook/ceqa-air-quality-handbook-(1993) (accessed May 2023).

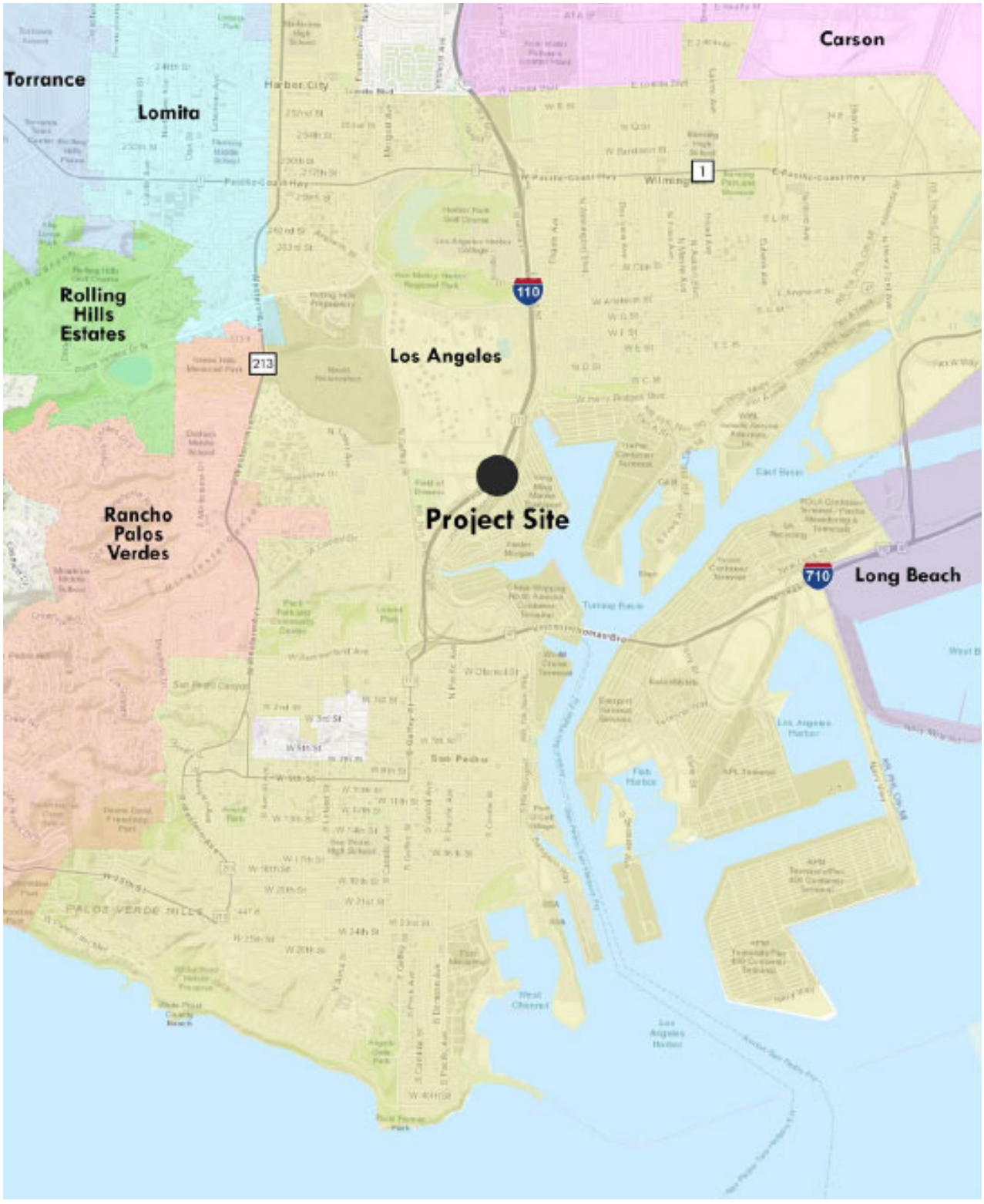

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FIGURE 1

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MILE

SOURCE: EPD

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John S. Gibson Trailer Lot POLA Project

Regional Project Location

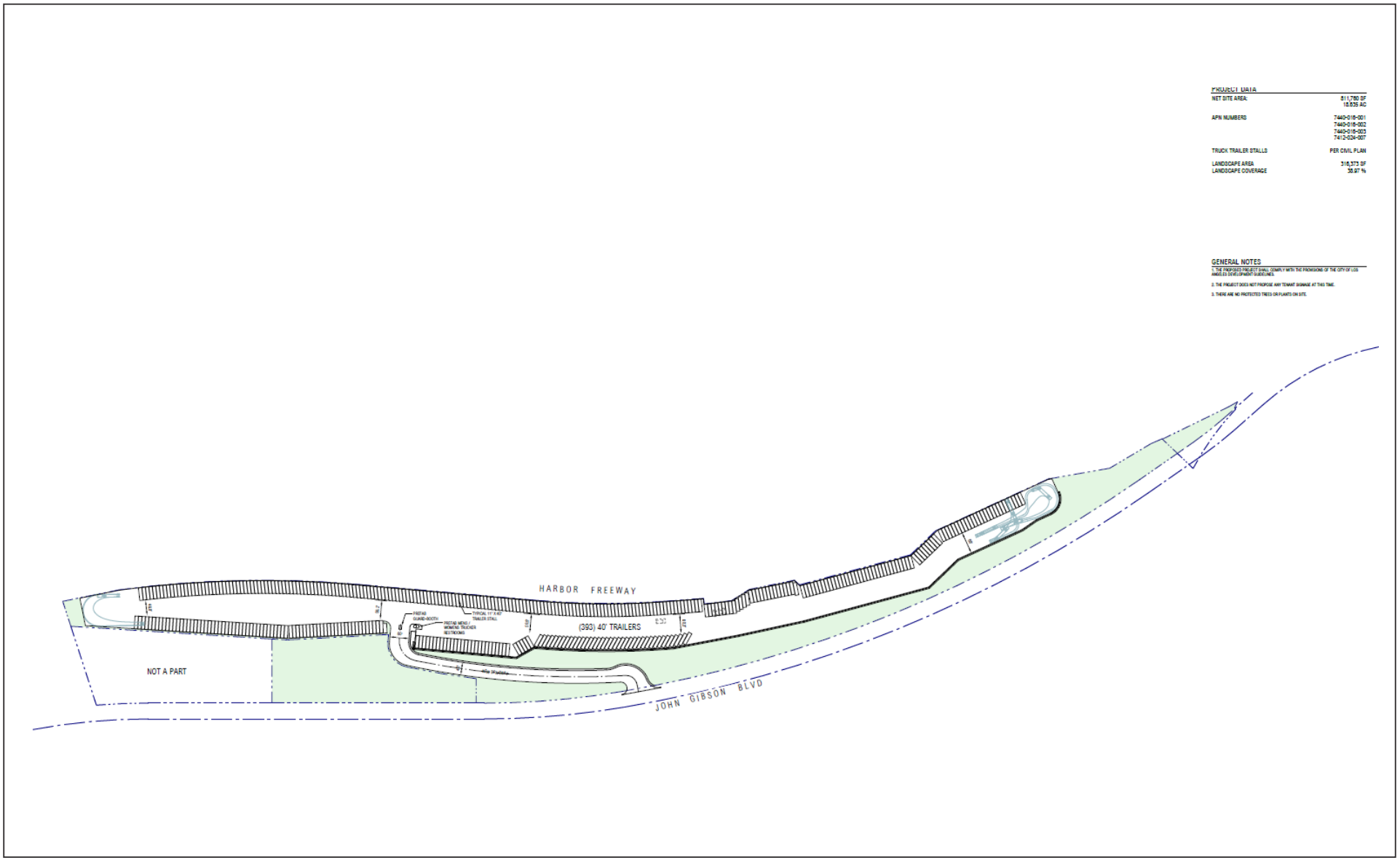

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FIGURE 2

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NO SCALE

SOURCE: RGA – Office of Architectural Design

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John S. Gibson Trailer Lot POLA Project

Site Plan

Operations of the proposed Project involve a to-be-determined company that would operate the site as a truck trailer parking lot. Typical operational characteristics include trucks traveling to and from the Project site to pick up or drop off chassis and shipping containers. Shipping containers would be parked on top of the trailer chassis. Truck trailer operations are conservatively assumed to occur year-round, 24 hours per day, 7 days per week. Operations would require a maximum of 2 employees onsite at any given time in order to provide security and operate onsite machinery. In addition, onsite equipment needed for the parking of truck trailers would include one yard goat and two small forklifts. Onsite equipment would be zero-emission, all-electric, and necessary charging equipment would be provided onsite, which would connect to existing electric infrastructure in John S. Gibson Boulevard. The Project would result in approximately 1,808 average daily trips, including 1,794 one-way truck trips, 4 one-way delivery/vendor trips, and 10 passenger vehicle trips[2]. The parking lot is intended to support ship offloading and loading activities occurring at Port of Los Angeles container yards.

Construction of the proposed Project would occur for approximately 8 months and includes site preparation, grading, paving, and signage and striping. The proposed Project would require the export of approximately 500 cubic yards of total petroleum hydrocarbons (TPH) and volatile organic compounds (VOC) impacted soils which would be disposed at either Chiquita Canyon Landfill, Simi Valley Landfill, or Soil Safe Adelanto. The proposed Project would also require the import of approximately 3,433 cubic yards of soil. In addition, construction equipment would utilize Tier 3 engines.

EXISTING LAND USES IN THE PROJECT AREA

For the purposes of this analysis, sensitive receptors are areas of population that have an increased sensitivity to air pollution or environmental contaminants. Sensitive receptor locations include residences, schools, daycare centers, hospitals, parks, and similar uses which are sensitive to air quality. Impacts on sensitive receptors are of particular concern because they are the population most vulnerable to the effects of air pollution. The Project site is surrounded by the I-110 and industrial uses to the north, John S. Gibson Boulevard and a container and terminal storage to the south and southeast, and a shipping company and the Harbor Community Police Station to the west.

There are no nearby sensitive receptors within a 1,000-foot radius of the Project site. The closest sensitive receptors to the Project site are single-family homes located southwest of the Project site at approximately 1,366 feet from the western Project site boundary line to the residences. The closest worker receptor to the project site is the Ports of America insurance company located immediately west at approximately 25 feet.

[2] EPD Solutions, Inc. 2023. *John S. Gibson Trailer Lot Project Vehicles Miles Traveled (VMT) Screening Memo.* May 26.

BACKGROUND

This section provides current background information on air pollutants and their health effects. It also provides current regulatory background information, including information from the California Air Resources Board's (CARB) Air Quality and Land Use Handbook[3] (CARB Handbook); a description of the general health risks of toxics, and the significance criteria for Project evaluation.

AIR POLLUTANTS AND HEALTH EFFECTS

Both State and federal governments have established health-based ambient air quality standards (California Ambient Air Quality Standards [CAAQS] and National Ambient Air Quality Standards [NAAQS], respectively) for six criteria air pollutants:[4] carbon monoxide (CO), ozone (O_3), nitrogen dioxide (NO_2), sulfur dioxide (SO_2), lead (Pb), and suspended particulate matter (PM). In addition, the State has set standards for sulfates, hydrogen sulfide, vinyl chloride, and visibility-reducing particles. These standards are designed to protect the health and welfare of the populace with a reasonable margin of safety. Long-term exposure to elevated levels of criteria pollutants may result in adverse health effects. However, emission thresholds established by an air district are used to manage total regional emissions within an air basin based on the air basin's attainment status for criteria pollutants. These emission thresholds were established for individual projects that would contribute to regional emissions and pollutant concentrations and could adversely affect or delay the projected attainment target year for certain criteria pollutants.

Because of the conservative nature of the thresholds and the basin-wide context of individual project emissions, there is no known direct correlation between a single project and localized air quality-related health effects. One individual project that generates emissions exceeding a threshold does not necessarily result in adverse health effects for residents in the Project vicinity. This condition is especially true when the criteria pollutants exceeding thresholds are those with regional effects, such as ozone precursors like nitrogen oxides (NO_X) and VOCs.

Occupants of facilities such as schools, daycare centers, parks and playgrounds, hospitals, and nursing and convalescent homes are considered to be more sensitive than the general public to air pollutants because these population groups have increased susceptibility to respiratory disease. Persons engaged in strenuous outdoor work or exercise also have increased sensitivity to poor air quality. Residential areas are considered more sensitive to air quality conditions, compared to commercial and industrial areas, because people generally spend longer periods of time at their residences, with greater associated exposure to ambient air quality conditions. Recreational uses are also considered sensitive compared to commercial and industrial uses due to greater exposure to ambient air quality conditions associated with exercise.

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3 California Air Resources Board (CARB). 2005. *Air Quality and Land Use Handbook: A Community Health Perspective.* April.

4 Criteria pollutants are defined as those pollutants for which the federal and State governments have established ambient air quality standards, or criteria, for outdoor concentrations in order to protect public health.

Ozone

Rather than being directly emitted, ozone (O_3 or smog) is formed by photochemical reactions between NO_X and VOCs. Ozone is a pungent, colorless gas. Elevated ozone concentrations result in reduced lung function, particularly during vigorous physical activity. This health problem is particularly acute in sensitive receptors such as the sick, elderly, and young children. Ozone levels peak during the summer and early fall months.

Carbon Monoxide

Carbon monoxide (CO) is formed by the incomplete combustion of fossil fuels, almost entirely from automobiles. It is a colorless, odorless gas that can cause dizziness, fatigue, and impairments to central nervous system functions. CO passes through the lungs into the bloodstream, where it interferes with the transfer of oxygen to body tissues.

Particulate Matter

Particulate matter (PM) is the term used for a mixture of solid particles and liquid droplets found in the air. Coarse particles are those that are 10 microns or less in diameter, or PM_{10}. Fine, suspended particulate matter with an aerodynamic diameter of 2.5 microns or less, or $PM_{2.5}$, is not readily filtered out by the lungs. Nitrates, sulfates, dust, and combustion particulates are major components of PM_{10} and $PM_{2.5}$. These small particles can be directly emitted into the atmosphere as byproducts of fuel combustion; through abrasion, such as tire or brake lining wear; or through fugitive dust (wind or mechanical erosion of soil). They can also be formed in the atmosphere through chemical reactions. Particulates may transport carcinogens and other toxic compounds that adhere to the particle surfaces and can enter the human body through the lungs.

Nitrogen Dioxide

Nitrogen dioxide (NO_2) is a reddish brown gas that is a byproduct of combustion processes. Automobiles and industrial operations are the main sources of NO_2. Aside from its contribution to ozone formation, NO_2 also contributes to other pollution problems, including a high concentration of fine particulate matter, poor visibility, and acid deposition. NO_2 may be visible as a coloring component on high pollution days, especially in conjunction with high ozone levels. NO_2 decreases lung function and may reduce resistance to infection.

Sulfur Dioxide

Sulfur dioxide (SO_2) is a colorless, irritating gas formed primarily from incomplete combustion of fuels containing sulfur. Industrial facilities also contribute to gaseous SO_2 levels in the region. SO_2 irritates the respiratory tract, can injure lung tissue when combined with fine particulate matter, and reduces visibility and the level of sunlight.

Lead

Leaded gasoline (phased out in the United States beginning in 1973), paint (on older houses and cars), smelters (metal refineries), and the manufacture of lead storage batteries have been the primary sources of lead (Pb) released into the atmosphere. Lead has multiple adverse neurotoxic health effects, and children are at special risk. Some lead-containing chemicals cause cancer in

animals. Lead levels in the air have decreased substantially since leaded gasoline was eliminated. Ambient lead concentrations are only monitored on an as-warranted, site-specific basis in California. On October 15, 2008, the United States Environmental Protection Agency (USEPA) strengthened the NAAQS for lead by lowering it from 1.5 to 0.15 micrograms per cubic meter ($\mu g/m^3$). The USEPA revised the monitoring requirements for lead in December 2010. These requirements focus on airports and large urban areas, resulting in an increase in 76 monitors nationally.

Volatile Organic Compounds

Volatile organic compounds (VOCs, also known as reactive organic gases [ROGs] and reactive organic compounds [ROCs]) are formed from the combustion of fuels and the evaporation of organic solvents. VOCs are not defined as criteria pollutants, however, because VOCs accumulate in the atmosphere more quickly during the winter, when sunlight is limited and photochemical reactions are slower, they are a prime component of the photochemical smog reaction. There are no attainment designations for VOCs.

Toxic Air Contaminants

In addition to the criteria pollutants discussed above, toxic air contaminants (TACs) are another group of pollutants of concern. TACs are injurious in small quantities and are regulated by the USEPA and the CARB. Some examples of TACs include benzene, butadiene, formaldehyde, and hydrogen sulfide. The identification, regulation, and monitoring of TACs is relatively recent compared to that for criteria pollutants.

TACs do not have ambient air quality standards (AAQS), but are regulated by the USEPA, CARB, and the SCAQMD. In 1998, the CARB identified particulate matter from diesel-fueled engines as a TAC. The CARB has completed a risk management process that identified potential cancer risks for a range of activities using diesel-fueled engines.[5] High-volume freeways, stationary diesel engines, and facilities attracting heavy and constant diesel vehicle traffic (e.g., distribution centers and truck stops) were identified as posing the highest risk to adjacent receptors. Other facilities associated with increased risk include warehouse distribution centers, large retail or industrial facilities, high-volume transit centers, and schools with a high volume of bus traffic. Health risks from TACs are a function of both concentration and duration of exposure.

Unlike TACs emitted from industrial and other stationary sources noted above, most diesel particulate matter (DPM) is emitted from mobile sources—primarily "off-road" sources such as construction and mining equipment, agricultural equipment, and truck-mounted refrigeration units, as well as "on-road" sources such as trucks and buses traveling on freeways and local roadways.

Although not specifically monitored, recent studies indicate that exposure to DPM may contribute significantly to a cancer risk (a risk of approximately 500 to 700 in 1,000,000) that is greater than all other measured TACs combined.[6] The technology for reducing DPM emissions from heavy-duty trucks is well established, and both State and federal agencies are moving aggressively to regulate engines

[5] CARB. 2000. Stationary Source Division and Mobile Source Control Division. *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles.* October.

[6] Ibid.

and emission control systems to reduce and remediate diesel emissions. The CARB anticipated that by 2020, average statewide DPM concentrations will decrease by 85 percent from levels in 2000 with full implementation of the CARB's Diesel Risk Reduction Plan,[7] meaning that the statewide health risk from DPM is expected to decrease from 540 cancer cases in 1,000,000 to 21.5 cancer cases in 1,000,000. The CARB 2000 Diesel Risk Reduction Plan is still the most recent version and has not been updated.

Table A summarizes the sources and health effects of air pollutants discussed in this section. Table B presents a summary of CAAQS and NAAQS.

Table A: Sources and Health Effects of Air Pollutants

Pollutants	Sources	Primary Effects
Carbon Monoxide (CO)	● Incomplete combustion of fuels and other carbon-containing substances, such as motor exhaust ● Natural events, such as decomposition of organic matter	● Reduced tolerance for exercise ● Impairment of mental function ● Impairment of fetal development ● Death at high levels of exposure ● Aggravation of some heart diseases (angina)
Nitrogen Dioxide (NO_2)	● Motor vehicle exhaust ● High temperature stationary combustion ● Atmospheric reactions	● Aggravation of respiratory illness ● Reduced visibility ● Reduced plant growth ● Formation of acid rain
Ozone (O_3)	● Atmospheric reaction of organic gases with nitrogen oxides in sunlight	● Aggravation of respiratory and cardiovascular diseases ● Irritation of eyes ● Impairment of cardiopulmonary function ● Plant leaf injury
Lead (Pb)	● Contaminated soil	● Impairment of blood functions and nerve construction ● Behavioral and hearing problems in children
Suspended Particulate Matter ($PM_{2.5}$ and PM_{10})	● Stationary combustion of solid fuels ● Construction activities ● Industrial processes ● Atmospheric chemical reactions	● Reduced lung function ● Aggravation of the effects of gaseous pollutants ● Aggravation of respiratory and cardiorespiratory diseases ● Increased cough and chest discomfort ● Soiling ● Reduced visibility
Sulfur Dioxide (SO_2)	● Combustion of sulfur-containing fossil fuels ● Smelting of sulfur-bearing metal ores Industrial processes	● Aggravation of respiratory diseases (asthma, emphysema) ● Reduced lung function ● Irritation of eyes ● Reduced visibility ● Plant injury ● Deterioration of metals, textiles, leather, finishes, coatings, etc.

Source: California Air Resources Board (2015).

[7] CARB. 2000. Stationary Source Division and Mobile Source Control Division. *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles.* October.

Table B: Federal and State Ambient Air Quality Standards

Pollutant	Averaging Time	California Standards[a]		Federal Standards[b]		
		Concentration[c]	Method[d]	Primary[c,e]	Secondary[c,f]	Method[g]
Ozone (O_3)[h]	1-Hour	0.09 ppm (180 µg/m³)	Ultraviolet Photometry	–	Same as Primary Standard	Ultraviolet Photometry
	8-Hour	0.07 ppm (137 µg/m³)		0.070 ppm (137 µg/m³)		
Respirable Particulate Matter (PM_{10})[i]	24-Hour	50 µg/m³	Gravimetric or Beta Attenuation	150 µg/m³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m³		–		
Fine Particulate Matter ($PM_{2.5}$)[i]	24-Hour	-		35 µg/m³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m³	Gravimetric or Beta Attenuation	12.0 µg/m³		
Carbon Monoxide (CO)	8-Hour	9.0 ppm (10 mg/m³)	Non-Dispersive Infrared Photometry (NDIR)	9 ppm (10 mg/m³)	–	Non-Dispersive Infrared Photometry (NDIR)
	1-Hour	20 ppm (23 mg/m³)		35 ppm (40 mg/m³)		
	8-Hour (Lake Tahoe)	6 ppm (7 mg/m³)		–	–	
Nitrogen Dioxide (NO_2)[j]	Annual Arithmetic Mean	0.03 ppm (57 µg/m³)	Gas Phase Chemi-luminescence	53 ppb (100 µg/m³)	Same as Primary Standard	Gas Phase Chemi-luminescence
	1-Hour	0.18 ppm (339 µg/m³)		100 ppb (188 µg/m³)	-	
Lead (Pb)[l,m]	30-Day Average	1.5 µg/m³	Atomic Absorption	–	–	High-Volume Sampler and Atomic Absorption
	Calendar Quarter	–		1.5 µg/m³ (for certain areas)[l]	Same as Primary Standard	
	Rolling 3-Month Average[i]	–		0.15 µg/m³		
Sulfur Dioxide (SO_2)[k]	24-Hour	0.04 ppm (105 µg/m³)	Ultraviolet Fluorescence	0.14 ppm (for certain areas)	–	Ultraviolet Fluorescence; Spectro-photometry (Pararosaniline Method)
	3-Hour	–		–	0.5 ppm (1300 µg/m³)	
	1-Hour	0.25 ppm (655 µg/m³)		75 ppb (196 µg/m³)[k]	–	
	Annual Arithmetic Mean	–		0.030 ppm (for certain areas)[k]	–	
Visibility-Reducing Particles[l]	8-Hour	See footnote n	Beta Attenuation and Transmittance through Filter Tape.	No Federal Standards		
Sulfates	24-Hour	25 µg/m³	Ion Chromatography			
Hydrogen Sulfide	1-Hour	0.03 ppm (42 µg/m³)	Ultraviolet Fluorescence			
Vinyl Chloride[j]	24-Hour	0.01 ppm (26 µg/m³)	Gas Chromatography			

Source: California Air Resources Board (2016) (Website: https://www.arb.ca.gov/research/aaqs/aaqs2.pdf).

Table notes are provided on the following page.

[a] California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1- and 24-hour), nitrogen dioxide, and particulate matter (PM_{10}, $PM_{2.5}$, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California Ambient Air Quality Standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.

[b] National standards (other than ozone, particulate matter, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM_{10}, the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 µg/m^3 is equal to or less than one. For $PM_{2.5}$, the 24-hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact USEPA for further clarification and current national policies.

[c] Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.

[d] Any equivalent measurement method which can be shown to the satisfaction of the CARB to give equivalent results at or near the level of the air quality standard may be used.

[e] National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.

[f] National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.

[g] Reference method as described by the USEPA. An "equivalent method" of measurement may be used but must have a "consistent relationship to the reference method" and must be approved by the USEPA.

[h] On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.

[i] On December 14, 2012, the national annual $PM_{2.5}$ primary standard was lowered from 15 µg/m^3 to 12.0 µg/m^3. The existing national 24- hour $PM_{2.5}$ standards (primary and secondary) were retained at 35 µg/m^3, as was the annual secondary standard of 15 µg/m^3. The existing 24-hour PM_{10} standards (primary and secondary) of 150 µg/m^3 also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.

[j] To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.

[k] On June 2, 2010, a new 1-hour SO_2 standard was established, and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO_2 national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.

Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.

[l] The CARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.

[m] The national standard for lead was revised on October 15, 2008, to a rolling 3-month average. The 1978 lead standard (1.5 µg/m^3 as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.

[n] In 1989, the CARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

°C = degrees Celsius
µg/m^3 = micrograms per cubic meter
CARB = California Air Resources Board
mg/m^3 = milligrams per cubic meter
ppb = parts per billion
ppm = parts per million
USEPA = United States Environmental Protection Agency

ENERGY

Electricity

Electricity is a manmade resource. The production of electricity requires the consumption or conversion of energy resources (including water, wind, oil, gas, coal, solar, geothermal, and nuclear resources) into energy. Electricity is used for a variety of purposes (e.g., lighting, heating, cooling, and refrigeration, and for operating appliances, computers, electronics, machinery, and public transportation systems).

According to the most recent data available, in 2021, California's electricity was generated primarily by natural gas (37.9 percent), renewable sources (33.6 percent), large hydroelectric (9.2 percent), nuclear (9.3 percent), coal (3.0 percent), and other and unspecified sources. Total electric generation in California in 2021 was 277,764 gigawatt-hours (GWh), up 2 percent from the 2020 total generation of 272,576 GWh.[8]

The Project site is within the service territory of the Los Angeles Department of Water and Power (LADWP). LADWP provides electricity to more than 1.4 million people in Los Angeles.[9] According to the California Energy Commission (CEC), total electricity consumption in the LADWP service area in 2021 was 22,852 GWh (7,954 GWh for the residential sector and 14,898 GWh for the non-residential sector). Total electricity consumption in Los Angeles County in 2021 was 65,374.7 GWh (65,374,721,369 kilowatt-hours (kWh).[10]

Natural Gas

Natural gas is a non-renewable fossil fuel. Fossil fuels are formed when layers of decomposing plant and animal matter are exposed to intense heat and pressure under the surface of the Earth over millions of years. Natural gas is a combustible mixture of hydrocarbon compounds (primarily methane) that is used as a fuel source. Natural gas is found in naturally occurring reservoirs in deep underground rock formations. Natural gas is used for a variety of uses (e.g., heating buildings, generating electricity, and powering appliances such as stoves, washing machines and dryers, gas fireplaces, and gas grills).

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8 California Energy Commission (CEC). 2021a. *2020 Total System Electric Generation*. Website: https://www.energy.ca.gov/data-reports/energy-almanac/california-electricity-data/2020-total-system-electric-generation (accessed June 2023).

9 Los Angeles Department of Water and Power (LADWP). 2023. Who We are. Website: https://www.ladwp.com/ladwp/faces/ladwp/aboutus/a-whoweare?_afrLoop=24075505583924&_afr WindowMode=0&_afrWindowId=f3emuogfq_18#%40%3F_afrWindowId%3Df3emuogfq_18%26_afrLoop%3D24075505583924%26_afrWindowMode%3D0%26_adf.ctrl-state%3Dzzmd9qc5y_4 (accessed June 2023).

10 CEC. 2020a. Electricity Consumption by County and Entity. Website: http://www.ecdms.energy.ca.gov/elecbycounty.aspx and http://www.ecdms.energy.ca.gov/elecbyutil.aspx (accessed June 2023).

Natural gas consumed in California is used for electricity generation (45 percent), residential uses (21 percent), industrial uses (25 percent), and commercial uses (9 percent). California continues to depend on out-of-state imports for nearly 90 percent of its natural gas supply.[11]

The Southern California Gas Company (SoCalGas) is the natural gas service provider for the Project site. SoCalGas provides natural gas to approximately 21.8 million people in a 24,000 sq mi service area throughout Central and Southern California, from Visalia to the Mexican border.[12] According to the CEC, total natural gas consumption in the SoCalGas service area in 2021 was 6,755 million therms (2,308 million therms for the residential sector). Total natural gas consumption in Los Angeles County in 2021 was 2,880 million therms (2,880,994,891 therms).[13]

Fuel

Petroleum is also a non-renewable fossil fuel. Petroleum is a thick, flammable, yellow-to-black mixture of gaseous, liquid, and solid hydrocarbons that occurs naturally beneath the earth's surface. Petroleum is primarily recovered by oil drilling. It is refined into a large number of consumer products, primarily fuel oil, gasoline, and diesel.

The average fuel economy for light-duty vehicles (autos, pickups, vans, and SUVs) in the United States has steadily increased from about 14.9 miles per gallon (mpg) in 1980 to 22.9 mpg in 2020.[14] Federal fuel economy standards have changed substantially since the Energy Independence and Security Act was passed in 2007. The Act, which originally mandated a national fuel economy standard of 35 mpg by year 2020[15], applies to cars and light trucks of Model Years 2011 through 2020. In March 2020, the United States Environmental Protection Agency (USEPA) and National Highway Traffic Safety Administration (NHTSA) finalized the Corporate Average Fuel Economy (CAFE) standards for Model Years 2024–2026 Passenger Cars and Light Trucks, further detailed below.

Gasoline is the most used transportation fuel in California, with 97 percent of all gasoline being consumed by light-duty cars, pickup trucks, and sport utility vehicles. According to the most recent data available, total gasoline consumption in California was 319,514 thousand barrels or 1,613.5 trillion British Thermal Units (BTU) in 2021.[16] Of the total gasoline consumption, 302,881 thousand

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11 CEC. 2021b. Supply and Demand of Natural Gas in California. Website: https://www.energy.ca.gov/data-reports/energy-almanac/californias-natural-gas-market/supply-and-demand-natural-gas-california (accessed June 2023).

12 Southern California Gas Company (SoCalGas). 2020. About SoCalGas. Website: https://www3.socalgas.com/about-us/company-profile (accessed June 2023).

13 CEC. 2020b. Gas Consumption by County and Entity. Website: http://www.ecdms.energy.ca.gov/gasbycounty.aspx and http://www.ecdms.energy.ca.gov/gasbyutil.aspx (accessed June 2023).

14 U.S. Department of Transportation (USDOT). "Table 4-23: Average Fuel Efficiency of U.S. Light Duty Vehicles." Website: https://www.bts.dot.gov/bts/bts/content/average-fuel-efficiency-us-light-duty-vehicles (accessed June 2023).

15 U.S. Department of Energy. 2007. "Energy Independence & Security Act of 2007." Website: https://www.afdc.energy.gov/laws/eisa (accessed June 2023).

16 A British Thermal Unit is defined as the amount of heat required to raise the temperature of one pound of water by one degree Fahrenheit.

barrels or 1,529.5 trillion BTU were consumed for transportation.[17] Based on fuel consumption obtained from CARB's California Emissions Factor Model, Version 2021 (EMFAC2021), approximately 3,921.8 million gallons of gasoline and approximately 608.6 million gallons of diesel were consumed from vehicle trips in Los Angeles County in 2023.

GREENHOUSE GASES

Global climate change is the observed increase in the average temperature of the Earth's atmosphere and oceans in recent decades. The Earth's average near-surface atmospheric temperature rose 0.6 ± 0.2° Celsius (°C) or 1.1 ± 0.4° Fahrenheit (°F) in the 20th century. The prevailing scientific opinion on climate change is that most of the warming observed over the last 50 years is attributable to human activities. The increased amounts of carbon dioxide (CO_2) and other GHGs are the primary causes of the human-induced component of warming. GHGs are released by the burning of fossil fuels, land clearing, agriculture, and other activities, and lead to an increase in the greenhouse effect.[18]

GHGs are present in the atmosphere naturally, are released by natural sources, or are formed from secondary reactions taking place in the atmosphere. The gases that are widely seen as the principal contributors to human-induced global climate change are:

- CO_2
- Methane (CH_4)
- Nitrous oxide (N_2O)
- Hydrofluorocarbons (HFCs)
- Perfluorocarbons (PFCs)
- Sulfur hexafluoride (SF_6)

Over the last 200 years, humans have caused substantial quantities of GHGs to be released into the atmosphere. These extra emissions are increasing GHG concentrations in the atmosphere, and enhancing the natural greenhouse effect, which is believed to be causing global warming. While manmade GHGs include naturally-occurring GHGs such as CO_2, methane, and N_2O, some gases, like HFCs, PFCs, and SF_6 are completely new to the atmosphere.

Certain gases, such as water vapor, are short-lived in the atmosphere. Others remain in the atmosphere for significant periods of time, contributing to climate change in the long term. Water vapor is excluded from the list of GHGs above because it is short-lived in the atmosphere and its atmospheric

[17] U.S. Department of Energy, Energy Information Administration (EIA). 2021. California State Profile and Energy Estimates. Table F3: Motor gasoline consumption, price, and expenditure estimates, 2020. Website: eia.gov/state/seds/data.php?incfile=/state/seds/sep_fuel/html/fuel_mg.html&sid=CA (accessed June 2023).

[18] The temperature on Earth is regulated by a system commonly known as the "greenhouse effect." Just as the glass in a greenhouse lets heat from sunlight in and reduces the heat escaping, greenhouse gases like carbon dioxide, methane, and nitrous oxide in the atmosphere keep the Earth at a relatively even temperature. Without the greenhouse effect, the Earth would be a frozen globe; thus, although an excess of greenhouse gas results in global warming, the naturally occurring greenhouse effect is necessary to keep our planet at a comfortable temperature.

concentrations are largely determined by natural processes, such as oceanic evaporation. For the purposes of this air quality analysis, the term "GHGs" will refer collectively to the six gases listed above.

These gases vary considerably in terms of Global Warming Potential (GWP), which is a concept developed to compare the ability of each GHG to trap heat in the atmosphere relative to another gas. The global warming potential is based on several factors, including the relative effectiveness of a gas to absorb infrared radiation and length of time that the gas remains in the atmosphere ("atmospheric lifetime"). The GWP of each gas is measured relative to carbon dioxide, the most abundant GHG; the definition of GWP for a particular GHG is the ratio of heat trapped by one unit mass of the GHG to the ratio of heat trapped by one unit mass of CO_2 over a specified time period. GHG emissions are typically measured in terms of pounds or tons of "CO_2 equivalents" (CO_2e). Table C shows the GWP for each type of GHG. For example, SF_6 is 23,900 times more potent at contributing to global warming than CO_2.

Table C: Global Warming Potential of Greenhouse Gases

Gas	Atmospheric Lifetime (Years)	Global Warming Potential (100-Year Time Horizon)
Carbon Dioxide	50-200	1
Methane	12	25
Nitrous Oxide	114	310
HFC-23	270	11,700
HFC-134a	14	140
HFC-152a	1.4	140
PFC: Tetrafluoromethane (CF_4)	50,000	6,500
PFC: Hexafluoromethane (C_2F_6)	10,000	9,200
Sulfur Hexafluoride (SF_6)	3,200	23,900

Source: *Second Update to the Climate Change Scoping Plan: Building on the Framework* (CARB 2017). Website: www.arb.ca.gov/our-work/programs/ab-32-climate-change-scoping-plan/2017-scoping-plan-documents (accessed June 2023).

The following discussion summarizes the characteristics of the six GHGs and black carbon.

Carbon Dioxide

In the atmosphere, carbon generally exists in its oxidized form, as carbon dioxide (CO_2). Natural sources of CO_2 include the respiration (breathing) of humans, animals and plants, volcanic out gassing, decomposition of organic matter and evaporation from the oceans. Human caused sources of CO_2 include the combustion of fossil fuels and wood, waste incineration, mineral production, and deforestation. Natural sources release approximately 150 billion tons of CO_2 each year, far outweighing the 7 billion tons of man-made emissions of CO_2 each year. Nevertheless, natural removal processes, such as photosynthesis by land- and ocean-dwelling plant species, cannot keep pace with this extra input of man-made CO_2, and consequently, the gas is building up in the atmosphere.

In 2020, total annual CO_2 accounted for approximately 80.2 percent of California's overall GHG emissions.[19] Transportation is the single largest source of CO_2 in California, which is primarily comprised of on-road travel. Electricity production, industrial and residential sources also make important contributions to CO_2 emissions in California.

Methane

Methane (CH_4) is produced when organic matter decomposes in environments lacking sufficient oxygen. Natural sources include wetlands, termites, and oceans. Decomposition occurring in landfills accounts for the majority of human-generated CH_4 emissions in California and in the United States as a whole. Agricultural processes such as intestinal fermentation, manure management, and rice cultivation are also significant sources of CH_4 in California. Total annual emissions of CH_4 accounted for approximately 10.5 percent of GHG emissions in California in 2020.[20]

Nitrous Oxide

Nitrous oxide (N_2O) is produced naturally by a wide variety of biological sources, particularly microbial action in soils and water. Tropical soils and oceans account for the majority of natural source emissions. Nitrous oxide is a product of the reaction that occurs between nitrogen and oxygen during fuel combustion. Both mobile and stationary combustion emit N_2O, and the quantity emitted varies according to the type of fuel, technology, and pollution control device used, as well as maintenance and operating practices. Agricultural soil management and fossil fuel combustion are the primary sources of human-generated N_2O emissions in California. Nitrous oxide emissions accounted for approximately 3.5 percent of GHG emissions in California in 2020.[21]

Hydrofluorocarbons, Perfluorocarbons, and Sulfur Hexafluoride

HFCs are primarily used as substitutes for ozone-depleting substances regulated under the Montreal Protocol.[22] PFCs and SF_6 are emitted from various industrial processes, including aluminum smelting, semiconductor manufacturing, electric power transmission and distribution, and magnesium casting. There is no aluminum or magnesium production in California; however, the rapid growth in the semiconductor industry leads to greater use of PFCs. HFCs, PFCs, and SF_6 accounted for about 5.5 percent of GHG emissions in California in 2020.[23]

Black Carbon

Black carbon is the most strongly light-absorbing component of PM formed by burning fossil fuels such as coal, diesel, and biomass. Black carbon is emitted directly into the atmosphere in the form of

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19 CARB. 2022b. *GHGs Descriptions & Sources in California*. Website: ww2.arb.ca.gov/ghg-descriptions-sources (accessed June 2023).

20 CARB. 2022b. *GHGs Descriptions & Sources in California.* Website: ww2.arb.ca.gov/ghg-descriptions-sources (accessed June 2023).

21 Ibid.

22 The Montreal Protocol is an international treaty that was approved on January 1, 1989, and was designated to protect the ozone layer by phasing out the production of several groups of halogenated hydrocarbons believed to be responsible for ozone depletion.

23 CARB. 2022b. op. cit.

$PM_{2.5}$ and is the most effective form of PM, by mass, at absorbing solar energy. Per unit of mass in the atmosphere, black carbon can absorb one million times more energy than CO_2.[24] Black carbon contributes to climate change both directly, such as absorbing sunlight, and indirectly, such as affecting cloud formation. However, because black carbon is short-lived in the atmosphere, it can be difficult to quantify its effect on global warming.

Most U.S. emissions of black carbon come from mobile sources (52 percent), particularly from diesel-fueled vehicles. The other major source of black carbon is open biomass burning, including wildfires, although residential heating and industry also contribute. The CARB estimates that the annual black carbon emissions in California will be reduced approximately 50 percent below 2013 levels by 2030.[25]

[24] U.S. Environmental Protection Agency (USEPA). 2015. Black Carbon, Basic Information. February 14, 2017. Website: 19january2017snapshot.epa.gov/www3/airquality/blackcarbon/basic.html (accessed June 2023).

[25] CARB. 2017b. *Short-Lived Climate Pollutant Reduction Strategy.* March. Website: https://ww2.arb.ca.gov/sites/default/files/2020-07/final_SLCP_strategy.pdf (accessed June 2023).

REGULATORY SETTING

AIR QUALITY REGULATIONS

The USEPA and the CARB regulate direct emissions from motor vehicles. The SCAQMD is the regional agency primarily responsible for regulating air pollution emissions from stationary sources (e.g., factories) and indirect sources (e.g., traffic associated with new development), as well as monitoring ambient pollutant concentrations.

Federal Regulations

Federal Clean Air Act

The 1970 federal Clean Air Act (CAA) authorized the establishment of national health-based air quality standards and also set deadlines for their attainment. The federal Clean Air Act Amendments of 1990 changed deadlines for attaining national standards as well as the remedial actions required of areas of the nation that exceed the standards. Under the Clean Air Act, State and local agencies in areas that exceed the national standards are required to develop State Implementation Plans to demonstrate how they will achieve the national standards by specified dates.

State Regulations

California Clean Air Act

In 1988, the California Clean Air Act (CCAA) required that all air districts in the State endeavor to achieve and maintain CAAQS for CO, O_3, SO_2, and NO_2 by the earliest practical date. The California Clean Air Act provides districts with authority to regulate indirect sources and mandates that air quality districts focus particular attention on reducing emissions from transportation and area-wide emission sources. Each nonattainment district is required to adopt a plan to achieve a 5 percent annual reduction, averaged over consecutive 3-year periods, in district-wide emissions of each nonattainment pollutant or its precursors. A Clean Air Plan shows how a district would reduce emissions to achieve air quality standards. Generally, the State standards for these pollutants are more stringent than the national standards.

California Advanced Clean Fleet

The Advanced Clean Fleets (ACF) regulation[26] is part of the California Air Resources Board's (CARB) overall approach to accelerate a large-scale transition to zero emissions medium-and heady-duty vehicles. This regulation works in conjunction with the Advanced Clean Trucks (ACT) regulation, approved March 2021, which helps ensure that zero-emission vehicles (ZEV) are brought to market. As such, the primary goal of the ACF regulation is to accelerate the market for zero-emission trucks, vans, and buses by requiring fleets that are well suited for electrification, to transition to ZEVs where feasible. The ACF regulation will apply to fleets performing drayage operations, those owned by State, local, and federal government agencies, and high priority fleets. The regulation will affect

[26] CARB. 2023. *Advanced Clean Fleets Regulation Summary.* Website: https://ww2.arb.ca.gov/resources/fact-sheets/advanced-clean-fleets-regulation-summary (accessed August 2023)

medium- and heavy-duty on-road vehicles with a gross vehicle weight rating greater than 8,500 pounds, off-road yard tractors, and light-duty mail and package delivery vehicles.

California Air Resources Board

The CARB is the State's "clean air agency." The CARB's goals are to attain and maintain healthy air quality, protect the public from exposure to toxic air contaminants, and oversee compliance with air pollution rules and regulations.

Assembly Bill 2588 Air Toxics "Hot Spots" Information and Assessment Act. Under Assembly Bill (AB) 2588, stationary sources of air pollutants are required to report the types and quantities of certain substances their facilities routinely released into the air. The goals of the Air Toxics "Hot Spots" Act are to collect emission data, identify facilities having localized impacts, determine health risks, and notify nearby residents of significant risks.

The California Air Resources Board Handbook. The CARB has developed an Air Quality and Land Use Handbook[27] which is intended to serve as a general reference guide for evaluating and reducing air pollution impacts associated with new Projects that go through the land use decision-making process. According to the CARB Handbook, air pollution studies have shown an association between respiratory and other non-cancer health effects and proximity to high traffic roadways. Other studies have shown that diesel exhaust and other cancer-causing chemicals emitted from cars and trucks are responsible for much of the overall cancer risk from airborne toxics in California. The CARB Handbook recommends that county and city planning agencies strongly consider proximity to these sources when finding new locations for "sensitive" land uses such as homes, medical facilities, daycare centers, schools, and playgrounds.

Land uses that can produce air pollution sources of concern include freeways, rail yards, ports, refineries, distribution centers, chrome plating facilities, dry cleaners, and large gasoline service stations. Key recommendations in the CARB Handbook include taking steps to avoid siting new, sensitive land uses:

- Within 500 feet of a freeway, urban roads with 100,000 vehicles/day or rural roads with 50,000 vehicles/day;
- Within 1,000 feet of a major service and maintenance rail yard;
- Immediately downwind of ports (in the most heavily impacted zones) and petroleum refineries;
- Within 300 feet of any dry cleaning operation (for operations with two or more machines, provide 500 feet); and
- Within 300 feet of a large gas station (defined as a facility with a throughput of 3.6 million gallons per year or greater).

[27] CARB. 2005. *Air Quality and Land Use Handbook: A Community Health Perspective.* April.

The CARB Handbook specifically states that its recommendations are advisory and acknowledges land use agencies have to balance other considerations, including housing and transportation needs, economic development priorities, and other quality of life issues.

The recommendations are generalized and do not consider site-specific meteorology, freeway truck percentages, or other factors that influence risk for a particular Project site. The purpose of this guidance is to help land use agencies determine when to further examine Project sites for actual health risk associated with the location of new sensitive land uses.

Assembly Bill 617

AB 617 was approved by the Governor in July 26, 2017 (C. Garcia, Chapter 136, Statutes of 2017), and it requires the state board to develop a uniform statewide system of annual reporting of emissions of criteria air pollutants and toxic contaminants for use by certain categories of stationary sources. AB 617 would require those stationary sources to report their annual emissions of criteria pollutants and toxic contaminants and it would also require the state board to select, based on the monitoring plan, the highest priority locations in the state for the deployment of community air monitoring systems.

In response to AB 617, CARB established the Community Air Protection Program (CAPP) which focuses on reducing exposure in communities most impacted by air pollution. Communities around the State are working together to develop and implement new strategies to measure air pollution and reduce health impacts.

Regional Regulations

South Coast Air Quality Management District

The SCAQMD has jurisdiction over most air quality matters in the South Coast Air Basin (Basin). This area includes all of Orange County, Los Angeles County except for the Antelope Valley, the non-desert portion of western San Bernardino County, and the western and Coachella Valley portions of Riverside County. The SCAQMD is the agency principally responsible for comprehensive air pollution control in the Basin and is tasked with implementing certain programs and regulations required by the CAA and the CCAA. The SCAQMD prepares plans to attain CAAQS and NAAQS. SCAQMD is directly responsible for reducing emissions from stationary (area and point) sources. The SCAQMD develops rules and regulations, establishes permitting requirements, inspects emissions sources, and enforces such measures though educational programs or fines, when necessary.

The proposed Project could be subject to the following SCAQMD rules and regulations:

- **Regulation IV - Prohibitions:** This regulation sets forth the restrictions for visible emissions, odor nuisance, fugitive dust, various air pollutant emissions, fuel contaminants, start-up/shutdown exemptions, and breakdown events.
    - **Rule 402 - Nuisance:** This rule restricts the discharge of any contaminant in quantities that cause or have a natural ability to cause injury, damage, nuisance, or annoyance to businesses, property, or the public.

- **Rule 403 - Fugitive Dust:** This rule requires the prevention, reduction, or mitigation of fugitive dust emissions from a project site. Rule 403 restricts visible fugitive dust to a project property line, restricts the net PM_{10} emissions to less than 50 µg/m^3 and restricts the tracking out of bulk materials onto public roads. Additionally, Rule 403 requires an applicant to utilize one or more of the best available control measures (identified in the tables within the rule). Control measures may include adding freeboard to haul vehicles, covering loose material on haul vehicles, watering, using chemical stabilizers, and/or ceasing all activities. Finally, Rule 403 requires that a contingency plan be prepared if so determined by the USEPA. In addition, SCAQMD Rule 403(e), Additional Requirements for Large Operations, includes requirements to provide Large Operation Notification Form 403 N, appropriate signage, additional dust control measures, and employment of a dust control supervisor that has successfully completed the Dust Control training class in the South Coast Air Basin.

- **Regulation XI - Source Specific Standards:** Regulation XI sets emissions standards for different sources.

  - **Rule 1113 - Architectural Coatings:** This rule limits the amount of VOCs from architectural coatings and solvents, which lowers the emissions of odorous compounds.

The SCAQMD is responsible for demonstrating regional compliance with AAQS but has limited indirect involvement in reducing emissions from fugitive, mobile, and natural sources. To that end, the SCAQMD works cooperatively with the CARB, the Southern California Association of Governments (SCAG), county transportation commissions, local governments, and other federal and State government agencies. It has responded to this requirement by preparing a series of Air Quality Management Plans (AQMPs) to meet CAAQS and NAAQS. SCAQMD and the SCAG are responsible for formulating and implementing the AQMP for the Basin. The main purpose of an AQMP is to bring the area into compliance with federal and State air quality standards. Every 3 years, SCAQMD prepares a new AQMP, updating the previous plan and 20-year horizon.[28]

The Final 2022 Air Quality Management Plan is the currently adopted AQMP. Key elements of the Final 2022 AQMP include the following:

- Calculating and taking credit for co-benefits from other planning efforts (e.g., climate, energy, and transportation)

- A strategy with fair-share emission reductions at the federal, State, and local levels

- Investment in strategies and technologies meeting multiple air quality objectives

- Seeking new partnerships and significant funding for incentives to accelerate deployment of zero-emission and near-zero emission technologies

- Enhanced socioeconomic assessment, including an expanded environmental justice analysis

[28] SCAQMD. 2022. *Final 2022 Air Quality Management Plan*. December 2.

- Attainment of the 24-hour $PM_{2.5}$ standard in 2019 with no additional measures
- Attainment of the annual $PM_{2.5}$ standard by 2025 with implementation of a portion of the O_3 strategy
- Attainment of the 1-hour O_3 standard by 2022 with no reliance on "black box" future technology (CAA Section 182(e)(5) measures)

The 2022 AQMP builds upon measures already in place from previous AQMPs. It also includes a variety of additional strategies such as regulation, accelerated deployment of available cleaner technologies (e.g., zero emissions technologies, when cost-effective and feasible, and low NO_x technologies in other applications), best management practices, co-benefits from existing programs (e.g., climate and energy efficiency), incentives, and other CAA measures to achieve the 2015 8-hour ozone standard.

Southern California Association of Governments

Southern California Association of Governments (SCAG) is a council of governments for Los Angeles, Orange, Riverside, San Bernardino, Imperial, and Ventura Counties. It is a regional planning agency and serves as a forum for regional issues relating to transportation, the economy and community development, and the environment. SCAG is the federally designated Metropolitan Planning Organization (MPO) for the majority of the southern California region and is the largest MPO in the nation. With regard to air quality planning, SCAG prepares the Regional Transportation Plan (RTP) and Regional Transportation Improvement Program (RTIP), which address regional development and growth forecasts and form the basis for the land use and transportation control portions of the Air Quality Management Plan (AQMP) and are utilized in the preparation of the air quality forecasts and consistency analysis included in the AQMP. The RTP, RTIP, and AQMP are based on Projections originating within local jurisdictions.

Although SCAG is not an air quality management agency, it is responsible for developing transportation, land use, and energy conservation measures that affect air quality. SCAG's Regional Comprehensive Plan (RCP) provides growth forecasts that are used in the development of air quality-related land use and transportation control strategies by the SCAQMD. The RCP is a framework for decision-making for local governments, assisting them in meeting federal and State mandates for growth management, mobility, and environmental standards, while maintaining consistency with regional goals regarding growth and changes. Policies within the RCP include consideration of air quality, land use, transportation, and economic relationships by all levels of government.

SCAG adopted the 2020-2045 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) (Connect SoCal) on September 3, 2020. Connect SoCal is a long-range visioning plan that balances future mobility and housing needs with economic, environmental, and public health goals. Connect SoCal is an important planning document for the region, allowing Project sponsors to qualify for federal funding and takes into account operations and maintenance costs, to ensure reliability, longevity, and cost effectiveness. The forecasted development pattern, when integrated with the financially constrained transportation investments identified in Connect SoCal, would reach

the regional target of reducing GHG emissions from autos and light-duty trucks by 19 percent by 2035 (compared to 2005 levels).

Local Regulations

City of Los Angeles General Plan

The City of Los Angeles addresses Air Quality in the Air Quality Element of the City's General Plan.[29] The Air Quality Element sets forth the goals, objectives, and policies which will guide the City in the implementation of it's air quality improvement programs and strategies. The following policies from the Air Quality Element are applicable to the proposed project:

- Policy 1.3.1: Minimize particulate emissions from construction sites.
- Policy 1.3.2: Minimize particulate emissions from unpaved roads and parking lots which are associated with vehicular traffic.
- Policy 3.3.1: Implement the best available system management techniques, and transportation management and mobility action plans to improve the efficiency of existing transportation facilities, subject to availability of funding.
- Policy 4.3.2: Revise the City's General Plan/Community Plans to ensure that new or relocated major air pollution sources are located to minimize significant health risks to sensitive receptors.
- Policy 5.1.1: Make improvements in Harbor and airport operations and facilities in order to reduce air emissions.
- Policy 5.3.1: Support the development and use of equipment powered by electric or low emitting fuels.

Port of Los Angeles Clean Air Action Plan Update

The POLA addresses air quality in the Clean Air Action Plan Update (CAAP).[30] The CAAP is a plan that provides guidance to help the region achieve its clean air goals and to support the statewide vision for more sustainable freight movement. As articulated in the Sustainable Freight Action Plan, to become greener – and to support the ultimate goal of zero-emissions goods movement – the Ports must develop strategies that include the introduction of clean vehicles and equipment, infrastructure, freight efficiency and energy planning. As a result, parallel strategies are proposed in the CAAP. In addition, the CAAP strategies are aligned to broad State Agency Actions identified in Appendix C of the Sustainable Freight Action Plan, which include the following:

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29 Los Angeles, City of. 1992. *Air Quality Element – An Element of the General Plan of the City of Los Angeles.* November 24. Website: https://planning.lacity.gov/odocument/0ff9a9b0-0adf-49b4-8e07-0c16feea70bc/Air_Quality_Element.pdf (accessed January 2024)

30 Los Angeles, City of. 2017. *San Pedro Bay Ports - Clean Air Action Plan 2017*. July. Website: https://kentico.portoflosangeles.org/getmedia/9d371f7b-9812-4c75-bcfd-23e83a191435/CAAP_2017_Draft_Document-Final (accessed June 2023)

- Clean Vehicles and Equipment Technology and Fuels
- Freight Infrastructure Investment and Planning
- Freight Efficiency
- Energy Resource Planning

Assembly Bill 617 – South Los Angeles: Community Emissions Reduction Plan (CERP)

The South Los Angeles (SLA) Community Emissions Reduction Plan (CERP) is a critical part of implementing AB 617, a California law that addresses the disproportionate impacts of air pollution in environmental justice communities. Based on the sources of air pollution impacting the community, the SLA Community Steering Committee (CSC) identified the following air quality priorities to be addressed in the CERP: Mobile Sources; Auto Body Shops; General Industrial Facilities; Metal Processing Facilities; and Oil and Gas Industry. At its core, this CERP seeks to address these air quality priorities with actions that reduce air pollution emissions from sources within the community and reduce air pollution exposure for the people in the community. The following actions related to air quality from the CERP would be applicable to the proposed project:

- Reduce emissions at construction sites.
- Reduce exposure from truck traffic through collaboration with agencies responsible for designating truck routes.

ENERGY REGULATORY SETTING

Federal and State agencies regulate energy use and consumption through various means and programs. On the federal level, the U.S. Department of Transportation (USDOT), the United States Department of Energy, and the USEPA are three federal agencies with substantial influence over energy policies and programs. Generally, federal agencies influence and regulate transportation energy consumption through establishment and enforcement of fuel economy standards for automobiles and light trucks, through funding of energy-related research and development Projects, and through funding for transportation infrastructure improvements. On the State level, the California Public Utilities Commission (CPUC) and the CEC are two agencies with authority over different aspects of energy.

The CPUC regulates privately owned electric, natural gas, telecommunications, water, railroad, rail transit, and passenger transportation companies and serves the public interest by protecting consumers and ensuring the provision of safe, reliable utility service and infrastructure at reasonable rates, with a commitment to environmental enhancement and a healthy California economy.

The CEC is the State's primary energy policy and planning agency. The CEC forecasts future energy needs, promotes energy efficiency, supports energy research, develops renewable energy resources, and plans for/directs state response to energy emergencies. The applicable federal, State, regional, and local regulatory framework is discussed below.

Federal Regulations

Energy Policy Act of 2005

The Energy Policy Act of 2005 seeks to reduce reliance on non-renewable energy resources and provide incentives to reduce current demand on these resources. For example, under this Act, consumers and businesses can obtain federal tax credits for purchasing fuel-efficient appliances and products (including hybrid vehicles), building energy-efficient buildings, and improving the energy efficiency of commercial buildings. Additionally, tax credits are available for the installation of qualified fuel cells, stationary microturbine power plants, and solar power equipment.

Corporate Average Fuel Economy Standards

On March 31, 2022, the National Highway Traffic Safety Administration (NHTSA) finalized the Corporate Average Fuel Economy (CAFE) standards for Model Years 2024–2026 Passenger Cars and Light Trucks. The amended CAFE standards would require an industry wide fleet average of approximately 49 mpg for passenger cars and light trucks in model year 2026, by increasing fuel efficiency by 8 percent annually for model years 2024–2025, and 10 percent annually for model year 2026. The final standards are estimated to save about 234 billion gallons of gas between model years 2030 to 2050.

State Regulations

Assembly Bill 1575, Warren-Alquist Act

In 1975, largely in response to the oil crisis of the 1970s, the State Legislature adopted AB 1575 (also known as the Warren-Alquist Act), which created the CEC. The statutory mission of the CEC is to forecast future energy needs; license power plants of 50 megawatts (MW) or larger; develop energy technologies and renewable energy resources; plan for and direct State responses to energy emergencies; and, perhaps most importantly, promote energy efficiency through the adoption and enforcement of appliance and building energy efficiency standards. AB 1575 also amended Public Resources Code (PRC) Section 21100(b)(3) and *State CEQA Guidelines* Section 15126.4 to require Environmental Impact Reports (EIRs) to include, where relevant, mitigation measures proposed to minimize the wasteful, inefficient, and unnecessary consumption of energy caused by a project. Thereafter, the State Resources Agency created Appendix F to the *State CEQA Guidelines*. Appendix F assists EIR preparers in determining whether a project will result in the inefficient, wasteful, and unnecessary consumption of energy. Appendix F of the *State CEQA Guidelines* also states that the goal of conserving energy implies the wise and efficient use of energy and the means of achieving this goal, including (1) decreasing overall per capita energy consumption; (2) decreasing reliance on fossil fuels such as coal, natural gas, and oil; and (3) increasing reliance on renewable energy sources.

Senate Bill 1389, Energy: Planning and Forecasting

In 2002, the State Legislature passed Senate Bill (SB) 1389, which required the CEC to develop an integrated energy plan every 2 years for electricity, natural gas, and transportation fuels for the California Energy Policy Report. The plan calls for the State to assist in the transformation of the transportation system to improve air quality, reduce congestion, and increase the efficient use of fuel supplies with the least environmental and energy costs. To further this policy, the plan identifies

a number of strategies, including assistance to public agencies and fleet operators in implementing incentive programs for zero emission vehicles (ZEVs) and their infrastructure needs, and encouragement of urban designs that reduce vehicle miles traveled (VMT) and accommodate pedestrian and bicycle access.

In compliance with the requirements of SB 1389, the CEC adopts an Integrated Energy Policy Report every 2 years and an update every other year. The most recently adopted report includes the 2023 Integrated Energy Policy Report.31 The Integrated Energy Policy Report covers a broad range of topics, including decarbonizing buildings, integrating renewables, energy efficiency, energy equity, integrating renewable energy, updates on Southern California electricity reliability, climate adaptation activities for the energy sector, natural gas assessment, transportation energy demand forecast, and the California Energy Demand Forecast. The Integrated Energy Policy Report provides the results of the CEC's assessments of a variety of energy issues facing California. Many of these issues will require action if the State is to meet its climate, energy, air quality, and other environmental goals while maintaining energy reliability and controlling costs.

Renewable Portfolio Standard

SB 1078 established the California Renewable Portfolio Standards program in 2002. SB 1078 initially required that 20 percent of electricity retail sales be served by renewable resources by 2017; however, this standard has become more stringent over time. In 2006, SB 107 accelerated the standard by requiring that the 20 percent mandate be met by 2010. In April 2011, SB 2 required that 33 percent of electricity retail sales be served by renewable resources by 2020. In 2015, SB 350 established tiered increases to the Renewable Portfolio Standards of 40 percent by 2024, 45 percent by 2027, and 50 percent by 2030. In 2018, SB 100 increased the requirement to 60 percent by 2030 and required that all the State's electricity come from carbon-free resources by 2045. SB 100 took effect on January 1, 2019.[32]

Title 24, California Building Code

Energy consumption by new buildings in California is regulated by the Building Energy Efficiency Standards, embodied in Title 24 of the California Code of Regulations (CCR), known as the California Building Code (CBC). The CEC first adopted the Building Energy Efficiency Standards for Residential and Non-residential Buildings in 1978 in response to a legislative mandate to reduce energy consumption in the State. The CBC is updated every 3 years, with the most recent update consisting of the 2022 CBC that became effective January 1, 2023. The efficiency standards apply to both new construction and rehabilitation of both residential and non-residential buildings, and regulate energy consumed for heating, cooling, ventilation, water heating, and lighting. The building efficiency standards are enforced through the local building permit process. Local government agencies may adopt and enforce energy standards for new buildings, provided these standards meet or exceed those provided in CCR Title 24.

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31 CEC. 2023. *2023 Integrated Energy Policy Report*. California Energy Commission. Docket Number: 23-IEPR-01.

32 California Public Utilities Commission (CPUC). 2019. Renewables Portfolio Standard Program. Website: cpuc.ca.gov/rps (accessed June 2023).

California Green Building Standards Code

In 2010, the California Building Standards Commission (CBSC) adopted Part 11 of the Title 24 Building Energy Efficiency Standards, referred to as the California Green Building Standards Code (CALGreen Code). The CALGreen Code took effect on January 1, 2011. The CALGreen Code is updated on a regular basis, with the most recent update consisting of the 2022 CALGreen Code standards that became effective January 1, 2023. The CALGreen Code established mandatory measures for residential and non-residential building construction and encouraged sustainable construction practices in the following five categories: (1) planning and design, (2) energy efficiency, (3) water efficiency and conservation, (4) material conservation and resource efficiency, and (5) indoor environmental quality. Although the CALGreen Code was adopted as part of the State's efforts to reduce greenhouse gas (GHG) emissions, the CALGreen Code standards have co-benefits of reducing energy consumption from residential and non-residential buildings subject to the standard.

California Energy Efficiency Strategic Plan

On September 18, 2008, the CPUC adopted California's first Long-Term Energy Efficiency Strategic Plan, presenting a roadmap for energy efficiency in California. The Plan articulates a long-term vision and goals for each economic sector and identifies specific near-term, mid-term, and long-term strategies to assist in achieving those goals. The plan also reiterates the following four specific programmatic goals known as the "Big Bold Energy Efficiency Strategies" that were established by the CPUC in Decisions D.07-10-032 and D.07-12-051:

- All new residential construction will be zero net energy (ZNE) by 2020.
- All new commercial construction will be ZNE by 2030.
- 50 percent of commercial buildings will be retrofitted to ZNE by 2030.
- 50 percent of new major renovations of State buildings will be ZNE by 2025.

Regional Regulations

There are no regional regulations that apply to the proposed Project.

Local Regulations

City of Los Angeles Sustainable City pLAn.

The POLA has adopted the Sustainable City pLAn[33] for the City of Los Angeles. The Sustainability City pLAn addresses energy in the Renewable Energy Chapter. The Renewable Energy Chapter contains goals that work towards helping the City transition to 100 percent renewable energy and achieve carbon neutrality. As such, the Renewable Energy Chapter established the following targets:

- LADWP will supply 55 percent renewable energy by 2025; 80 percent by 2036; and 100 percent by 2045.

33 Los Angeles, City of. 2019. *LA's Green New Deal – Sustainable City pLAn*. Website: https://plan.lamayor.org/sites/default/files/pLAn_2019_final.pdf (accessed June 2023)

- Increase cumulative MW by 2025; 2035; and 2050 of:
    - Local solar to 900-1,500 MW; 1,500-1,800 MW; and 1,950 MW
    - Energy storage capacity to 1,654-1,750 MW; 3,000 MW; and 4,000 MW
    - Demand response (DR) programs to 234 MW (2025) and 600 MW (2035)

These targets would help the City move towards a path to zero carbon emissions by continuing to ramp up renewable energy.

GREENHOUSE GAS REGULATORY SETTING

This section describes regulations related to Global Climate Change at the federal, State, and local level.

Federal Regulations

The United States has historically had a voluntary approach to reducing GHG emissions. However, on April 2, 2007, the United States Supreme Court ruled that the USEPA has the authority to regulate CO_2 emissions under the CAA. While there currently are no adopted federal regulations for the control or reduction of GHG emissions, the USEPA commenced several actions in 2009 to implement a regulatory approach to global climate change.

This includes the 2009 USEPA final rule for mandatory reporting of GHGs from large GHG emission sources in the United States. Additionally, the USEPA Administrator signed an endangerment finding action in 2009 under the Clean Air Act, finding that six GHGs (CO_2, CH_4, N_2O, HFCs, PFCs, SF_6) constitute a threat to public health and welfare, and that the combined emissions from motor vehicles cause and contribute to global climate change, leading to national GHG emission standards.

In October 2012, the USEPA and the NHTSA, on behalf of the USDOT, issued final rules to further reduce GHG emissions and improve CAFE standards for light-duty vehicles for model years 2017 and beyond (77 *Federal Register* 62624). The NHTSA's CAFE standards have been enacted under the Energy Policy and Conservation Act since 1978. This national program requires automobile manufacturers to build a single light-duty national fleet that meets all requirements under both federal programs and the standards of California and other states. This program would increase fuel economy to the equivalent of 54.5 miles per gallon, limiting vehicle emissions to 163 grams of CO_2 per mile for the fleet of cars and light-duty trucks by model year 2025 (77 *Federal Register* 62630).

On March 31, 2022, the NHTSA finalized the CAFE standards for Model Years 2024–2026 Passenger Cars and Light Trucks. The amended CAFE standards would require an industry-wide fleet average of approximately 49 mpg for passenger cars and light trucks in model year 2026, by increasing fuel efficiency by 8 percent annually for model years 2024–2025, and 10 percent annually for model year 2026. The final standards are estimated to save about 234 billion gallons of gas between model years 2030 to 2050.

State Regulations

The CARB is the lead agency for implementing climate change regulations in the State. Since its formation, the CARB has worked with the public, the business sector, and local governments to find solutions to California's air pollution problems. Key efforts by the State are described below.

Assembly Bill 1493 (2002)

In a response to the transportation sector's significant contribution to California's CO_2 emissions, AB 1493 was enacted on July 22, 2002. AB 1493 requires the CARB to set GHG emission standards for passenger vehicles and light duty trucks (and other vehicles whose primary use is noncommercial personal transportation in the State) manufactured in 2009 and all subsequent model years. These standards (starting in model years 2009 to 2016) were approved by the CARB in 2004, but the needed waiver of CCAA Preemption was not granted by the USEPA until June 30, 2009. The CARB responded by amending its original regulation, now referred to as Low Emission Vehicle III, to take effect for model years starting in 2017 to 2025. The Trump administration revoked California's waiver in 2019; however, the Biden administration restored California's waiver in 2021.

Executive Order S-3-05 (2005)

Governor Arnold Schwarzenegger signed Executive Order (EO) S-3-05 on June 1, 2005, which proclaimed that California is vulnerable to the impacts of climate change. To combat those concerns, the executive order established California's GHG emissions reduction targets, which established the following goals:

- GHG emissions should be reduced to 2000 levels by 2010;
- GHG emissions should be reduced to 1990 levels by 2020; and
- GHG emissions should be reduced to 80 percent below 1990 levels by 2050.

The Secretary of the California Environmental Protection Agency (CalEPA) is required to coordinate efforts of various State agencies in order to collectively and efficiently reduce GHGs. A biannual progress report must be submitted to the Governor and State Legislature disclosing the progress made toward GHG emission reduction targets. In addition, another biannual report must be submitted illustrating the impacts of global warming on California's water supply, public health, agriculture, the coastline, and forestry, and report possible mitigation and adaptation plans to address these impacts.

The Secretary of CalEPA leads the Climate Action Team (CAT) made up of representatives from State agencies as well as numerous other boards and departments. The CAT members work to coordinate statewide efforts to implement global warming emission reduction programs and the State's Climate Adaptation Strategy. The CAT is also responsible for reporting on the progress made toward meeting the statewide GHG targets that were established in the executive order and further defined under AB 32, the "Global Warming Solutions Act of 2006." The first CAT Report to the Governor and the Legislature was released in March 2006, which it laid out 46 specific emission reduction strategies for reducing GHG emissions and reaching the targets established in the executive order. The most recent report was released in December 2020.

Assembly Bill 32 (2006), California Global Warming Solutions Act

California's major initiative for reducing GHG emissions is AB 32, passed by the State legislature on August 31, 2006. This effort aims at reducing GHG emissions to 1990 levels by 2020. The CARB has established the level of GHG emissions in 1990 at 427 million metric tons (MMT) of CO_2e. The emissions target of 427 MMT requires the reduction of 169 MMT from the State's Projected business-as-usual (BAU) 2020 emissions of 596 MMT. AB 32 requires the CARB to prepare a Scoping Plan that outlines the main State strategies for meeting the 2020 deadline and to reduce GHGs that contribute to global climate change. The Scoping Plan was approved by the CARB on December 11, 2008, and contains the main strategies California will implement to achieve the reduction of approximately 169 MMT CO_2e, or approximately 30 percent, from the State's Projected 2020 emissions level of 596 MMT CO_2e under a BAU scenario (this is a reduction of 42 MMT CO_2e, or almost 10 percent from 2002–2004 average emissions). The Scoping Plan also includes CARB-recommended GHG reductions for each emissions sector of the State's GHG inventory. The Scoping Plan calls for the largest reductions in GHG emissions to be achieved by implementing the following measures and standards:

- Improved emissions standards for light-duty vehicles (estimated reductions of 31.7 MMT CO_2e);
- The Low-Carbon Fuel Standard (15.0 MMT CO_2e);
- Energy efficiency measures in buildings and appliances and the widespread development of combined heat and power systems (26.3 MMT CO_2e); and
- A renewable portfolio standard for electricity production (21.3 MMT CO_2e).

The Scoping Plan identifies 18 emission reduction measures that address cap-and-trade programs, vehicle gas standards, energy efficiency, low carbon fuel standards, renewable energy, regional transportation-related GHG targets, vehicle efficiency measures, goods movement, solar roof programs, industrial emissions, high speed rail, green building strategies, recycling, sustainable forests, water, and air. The measures would result in a total reduction of 174 MMT CO_2e by 2020.

On August 24, 2011, the CARB unanimously approved both the new supplemental assessment and reapproved its Scoping Plan, which provides the overall roadmap and rule measures to carry out AB 32. The CARB also approved a more robust CEQA equivalent document supporting the supplemental analysis of the cap-and-trade program. The cap-and-trade took effect on January 1, 2012, with an enforceable compliance obligation that began January 1, 2013.

CARB has not yet determined what amount of GHG reductions it recommends from local government operations and local land use decisions; however, the Scoping Plan states that land use planning and urban growth decisions will play an important role in the State's GHG reductions because local governments have primary authority to plan, zone, approve, and permit how land is developed to accommodate population growth and the changing needs of their jurisdictions (meanwhile, CARB is also developing an additional protocol for community emissions). CARB further acknowledges that decisions on how land is used will have large impacts on the GHG emissions that would result from the transportation, housing, industry, forestry, water, agriculture, electricity, and natural gas emission sectors. The Scoping Plan states that the ultimate GHG reduction assignment to

local government operations is to be determined. With regard to land use planning, the Scoping Plan expects an approximately 5.0 MMT CO_2e reduction due to implementation of SB 375.

In addition to reducing GHG emissions to 1990 levels by 2020, AB 32 directed the CARB and the CAT to identify a list of "discrete early action GHG reduction measures" that could be adopted and made enforceable by January 1, 2010. On January 18, 2007, Governor Schwarzenegger signed EO S-1-07, further solidifying California's dedication to reducing GHGs by setting a new Low Carbon Fuel Standard (LCFS). This executive order sets a target to reduce the carbon intensity of California transportation fuels by at least 10 percent by 2020 and directs the CARB to consider the LCFS as a discrete early action measure. In 2011, U.S. District Court Judge Lawrence O'Neil issued an injunction preventing implementation of the LCFS, ruling that it is unconstitutional. In 2012, the Ninth Circuit Court of Appeal stayed the District Court's injunction, allowing implementation of the LCFS. The Ninth Circuit decided to uphold the LCFS.

In June 2007, the CARB approved a list of 37 early action measures, including three discrete early action measures (LCFS, Restrictions on GWP Refrigerants, and Landfill CH_4 Capture).[34] Discrete early action measures are measures that were required to be adopted as regulations and made effective no later than January 1, 2010, the date established by Health and Safety Code Section 38560.5. The CARB adopted additional early action measures in October 2007 that tripled the number of discrete early action measures. These measures relate to truck efficiency, port electrification, reduction of PFCs from the semiconductor industry, reduction of propellants in consumer products, proper tire inflation, and SF_6 reductions from the non-electricity sector. The combination of early action measures is estimated to reduce statewide GHG emissions by nearly 16 MMT.[35]

The CARB approved the First Update to the Climate Change Scoping Plan on May 22, 2014. The First Update identifies opportunities to leverage existing and new funds to further drive GHG emission reductions through strategic planning and targeted low carbon investments. The First Update defines CARB climate change priorities until 2020, and also sets the groundwork to reach long-term goals set forth in EOs S-3-05 and B-16-2012. The Update highlights California's progress toward meeting the "near-term" 2020 GHG emission reduction goals as defined in the initial Scoping Plan. It also evaluates how to align the State's "longer-term" GHG reduction strategies with other State policy priorities for water, waste, natural resources, clean energy, transportation, and land use. CARB released a second update to the Scoping Plan, the 2017 Scoping Plan,[36] to reflect the 2030 target set by EO B-30-15 and codified by SB 32.

The 2022 Scoping Plan[37] was approved in December 2022 and assesses progress towards achieving the SB 32 2030 target and lay out a path to achieve carbon neutrality no later than 2045. The 2022 Scoping Plan focuses on outcomes needed to achieve carbon neutrality by assessing paths for clean

34 CARB. 2007b. *Expanded List of Early Action Measures to Reduce Greenhouse Gas Emissions in California Recommended for Board Consideration*. October.

35 CARB. 2007a. "ARB approves tripling of early action measures required under AB 32" News Release 07-46. October 25.

36 CARB. 2017a. *California's 2017 Climate Change Scoping Plan*. November.

37 CARB. 2021. *2022 Scoping Plan Update*. May 10. Website: https://ww2.arb.ca.gov/sites/default/files/2022-12/2022-sp.pdf (accessed June 2023).

technology, energy deployment, natural and working lands, and others, and is designed to meet the State's long-term climate objectives and support a range of economic, environmental, energy security, environmental justice, and public health priorities.

Senate Bill 97 (2007)

SB 97, signed by the Governor in August 2007 (Chapter 185, Statutes of 2007; Public Resources Code [PRC], Sections 21083.05 and 21097), acknowledges climate change is a prominent environmental issue that requires analysis under CEQA. This bill directed the Governor's Office of Planning and Research (OPR) to prepare, develop, and transmit to the California Resources Agency guidelines for mitigating GHG emissions or the effects of GHG emissions, as required by CEQA.

The California Natural Resources Agency adopted the amendments to the *State CEQA Guidelines* in November 2018, which went into effect in December 2018. The amendments do not identify a threshold of significance for GHG emissions, nor do they prescribe assessment methodologies or specific mitigation measures. The amendments encourage lead agencies to consider many factors in performing a CEQA analysis, but preserve the discretion granted by CEQA to lead agencies in making their own determinations based on substantial evidence. The amendments also encourage public agencies to make use of programmatic mitigation plans and programs when they perform individual Project analyses.

Senate Bill 375 (2008)

SB 375, the Sustainable Communities and Climate Protection Act, which establishes mechanisms for the development of regional targets for reducing passenger vehicle GHG emissions, was adopted by the State on September 30, 2008. On September 23, 2010, the CARB adopted the vehicular GHG emissions reduction targets that had been developed in consultation with the Metropolitan Planning Organization (MPOs); the targets require a 6 to 15 percent reduction by 2020 and between 13 to 19 percent reduction by 2035 for each MPO. SB 375 recognizes the importance of achieving significant GHG reductions by working with cities and counties to change land use patterns and improve transportation alternatives. Through the SB 375 process, MPOs such as the Fresno Council of Governments will work with local jurisdictions in the development of Sustainable Communities Strategy (SCS) designed to integrate development patterns and the transportation network in a way that reduces GHG emissions while meeting housing needs and other regional planning objectives. Pursuant to SB 375, the Los Angeles/Southern California reduction targets for per capita vehicular emissions were 8 percent by 2020 and are 19 percent by 2035 as shown in Table D.

Table D: Senate Bill 375 Regional Greenhouse Gas Emissions Reduction Targets

Metropolitan Planning Organization	By 2020 (percent)	By 2035 (percent)
San Francisco Bay Area	10	19
San Diego	15	19
Sacramento	7	19
Central Valley/San Joaquin	6-13	13-16
Los Angeles/Southern California	8	19

Source: California Air Resources Board (2018).

Executive Order B-30-15 (2015)

Governor Jerry Brown signed EO B-30-15 on April 29, 2015, which added the immediate target of:

- GHG emissions should be reduced to 40 percent below 1990 levels by 2030.

All State agencies with jurisdiction over sources of GHG emissions were directed to implement measures to achieve reductions of GHG emissions to meet the 2030 and 2050 targets. CARB was directed to update the AB 32 Scoping Plan to reflect the 2030 target, and therefore, is moving forward with the update process. The mid-term target is critical to help frame the suite of policy measures, regulations, planning efforts, and investments in clean technologies and infrastructure needed to continue reducing emissions.

Senate Bill 350 (2015) Clean Energy and Pollution Reduction Act

SB 350, signed by Governor Jerry Brown on October 7, 2015, updates and enhances AB 32 by introducing the following set of objectives in clean energy, clean air, and pollution reduction for 2030:

- Raise California's renewable portfolio standard from 33 percent to 50 percent; and
- Increasing energy efficiency in buildings by 50 percent by the year 2030.

The 50 percent renewable energy standard will be implemented by the CPUC for the private utilities and by the CEC for municipal utilities. Each utility must submit a procurement plan showing it will purchase clean energy to displace other non-renewable resources. The 50 percent increase in energy efficiency in buildings must be achieved through the use of existing energy efficiency retrofit funding and regulatory tools already available to State energy agencies under existing law. The addition made by this legislation requires state energy agencies to plan for, and implement those programs in a manner that achieves the energy efficiency target.

Senate Bill 32, California Global Warming Solutions Act of 2016, and Assembly Bill 197

In summer 2016 the Legislature passed, and the Governor signed, SB 32, and AB 197. SB 32 affirms the importance of addressing climate change by codifying into statute the GHG emissions reductions target of at least 40 percent below 1990 levels by 2030 contained in Governor Brown's April 2015 EO B-30-15. SB 32 builds on AB 32 and keeps us on the path toward achieving the State's 2050

objective of reducing emissions to 80 percent below 1990 levels, consistent with an Intergovernmental Panel on Climate Change (IPCC) analysis of the emissions trajectory that would stabilize atmospheric GHG concentrations at 450 parts per million CO_2e and reduce the likelihood of catastrophic impacts from climate change.

The companion bill to SB 32, AB 197, provides additional direction to CARB related to the adoption of strategies to reduce GHG emissions. Additional direction in AB 197 meant to provide easier public access to air emissions data that are collected by CARB was posted in December 2016.

Senate Bill 100

On September 10, 2018, Governor Brown signed SB 100, which raises California's Renewables Portfolio Standard (RPS) requirements to 60 percent by 2030, with interim targets, and 100 percent by 2045. The bill also establishes a State policy that eligible renewable energy resources and zero-carbon resources supply 100 percent of all retail sales of electricity to California end-use customers and 100 percent of electricity procured to serve all State agencies by December 31, 2045. Under the bill, the State cannot increase carbon emissions elsewhere in the western grid or allow resource shuffling to achieve the 100 percent carbon-free electricity target.

Executive Order B-55-18

EO B-55-18, signed September 10, 2018, sets a goal "to achieve carbon neutrality as soon as possible, and no later than 2045, and achieve and maintain net negative emissions thereafter." EO B-55-18 directs CARB to work with relevant State agencies to ensure future Scoping Plans identify and recommend measures to achieve the carbon neutrality goal. The goal of carbon neutrality by 2045 is in addition to other statewide goals, meaning not only should emissions be reduced to 80 percent below 1990 levels by 2050, but that, by no later than 2045, the remaining emissions be offset by equivalent net removals of CO_2e from the atmosphere, including through sequestration in forests, soils, and other natural landscapes.

Title 24, Part 11, Building Standards Code and CALGreen Code

The California Building Standards Code, or Title 24 of the California Code of Regulations (CCR) contains the regulations that govern the construction of buildings in California. Within the Building Standards Code, two parts pertain to the incorporation of both energy efficient and green building elements into land use development. Part 6 is California's Energy Efficiency Standards for Residential and Non-Residential Buildings. These standards were first adopted in 1978 in response to a legislative mandate to reduce California's energy consumption and are updated on an approximately 3-year cycle to allow consideration and possible incorporation of new energy efficient technologies and methods.

In November 2008, the California Building Standards Commission established the California Green Building Standards Code (CALGreen Code), which sets performance standards for residential and non-residential development to reduce environmental impacts and encourage sustainable construction practices. The CALGreen Code addresses energy efficiency, water conservation, material conservation, planning and design, and overall environmental quality. The CALGreen Code is updated every 3 years and was most recently updated in 2022 to include new mandatory

measures for residential as well as non-residential uses; the new measures took effect on January 1, 2023. Energy efficient buildings require less electricity; therefore, increased energy efficiency reduces fossil fuel consumption and decreases GHG emissions.

Cap and Trade

The development of a cap-and-trade program was included as a key reduction measure of the CARB AB 32 Climate Change Scoping Plan. The cap-and-trade program will help put California on the path to meet its goal of reducing GHG emissions to 1990 levels by 2020 and ultimately achieving an 80 percent reduction from 1990 levels by 2050. The cap-and-trade emissions trading program developed by the CARB took effect on January 1, 2012, with enforceable compliance obligations beginning January 1, 2013. The cap-and-trade program aims to regulate GHG emissions from the largest producers in the State by setting a statewide firm limit, or cap, on allowable annual GHG emissions. The cap was set in 2013 at approximately 2 percent below the emissions forecast for 2020. In 2014, the cap declined approximately 2 percent. Beginning in 2015 and continuing through 2020, the cap has been declining approximately 3 percent annually. The CARB administered the first auction on November 14, 2012, with many of the qualified bidders representing corporations or organizations that produce large amounts of GHG emissions, including energy companies, agriculture and food industries, steel mills, cement companies, and universities. On January 1, 2015, compliance obligation began for distributors of transportation fuels, natural gas, and other fuels. The cap-and-trade program was initially slated to sunset in 2020 but the passage of SB 398 in 2017 extended the program through 2030.

Executive Order N-79-20

EO N-79-20, which was signed by the Governor on September 23, 2020, sets the following goals for the State: 100 percent of in-state sales of new passenger cars and trucks shall be zero-emission by 2035; 100 percent of medium- and heavy-duty vehicles in the State shall be zero-emission by 2045 for all operations where feasible and by 2035 for drayage trucks; and 100 percent of off-road vehicles and equipment in the State shall be zero-emission by 2035, where feasible.

California Integrated Waste Management Act

To minimize the amount of solid waste that must be disposed of in landfills, the State Legislature passed the California Integrated Waste Management Act of 1989 (AB 939), effective January 1990. According to AB 939, all cities and counties were required to divert 25 percent of all solid waste from landfill facilities by January 1, 1995, and 50 percent by January 1, 2000. Through other statutes and regulations, this 50 percent diversion rate also applies to State agencies. In order of priority, waste reduction efforts must promote source reduction, recycling and composting, and environmentally safe transformation and land disposal. In 2011, AB 341 modified the California Integrated Waste Management Act and directed the California Department of Resources Recycling and Recovery (CalRecycle) to develop and adopt regulations for mandatory commercial recycling. The resulting 2012 Mandatory Commercial Recycling Regulation requires that on and after July 1, 2012, certain businesses that generate four cubic yards or more of commercial solid waste per week shall arrange recycling services. To comply with this requirement, businesses may either separate recyclables and self-haul them or subscribe to a recycling service that includes mixed waste processing. AB 341 also established a statewide recycling goal of 75 percent; the 50 percent disposal

reduction mandate still applies for cities and counties under AB 939, the Integrated Waste Management Act. In April 2016, AB 1826 further modified the California Integrated Waste Management Act, requiring businesses that generate a specified amount of organic waste per week to arrange for recycling services for that organic waste in a specified manner. If CalRecycle determines that statewide disposal of organic waste has not been reduced by 50 percent below 2014 levels by 2020, businesses generating more than two cubic yards of organic waste per week would be subject to these waste collection requirements. CalRecycle plans to make this assessment in the fall of 2020. Diverting organic waste from landfills reduces emissions of CH_4. This is equivalent to reducing anaerobic decomposition of organic waste that would have otherwise occurred in landfills where organic waste is often buried with other inorganic waste.

Low Carbon Fuel Standard

In January 2007, EO S-01-07 established an LCFS. This executive order calls for a statewide goal to be established to reduce the carbon intensity of California's transportation fuels by at least 10 percent by 2020, and that an LCFS for transportation fuels be established for California. The LCFS applies to all refiners, blenders, producers, or importers ("Providers") of transportation fuels in California, including fuels used by off-road construction equipment. In June 2007, CARB adopted the LCFS under AB 32 pursuant to Health and Safety Code Section 38560.5, and, in April 2009, CARB approved the new rules and carbon intensity reference values with new regulatory requirements taking effect in January 2011. The standards require providers of transportation fuels to report on the mix of fuels they provide and demonstrate they meet the LCFS intensity standards annually. This is accomplished by ensuring that the number of "credits" earned by providing fuels with a lower carbon intensity than the established baseline (or obtained from another party) is equal to or greater than the "deficits" earned from selling higher intensity fuels. In response to certain court rulings, CARB re-adopted the LCFS regulation in September 2015, and the LCFS went into effect on January 1, 2016. In 2018, CARB approved amendments to the regulation to readjust carbon intensity benchmarks to meet California's 2030 GHG reductions targets under SB 32. These amendments include opportunities to promote zero emission vehicle (ZEV) adoption, carbon capture and sequestration, and advanced technologies for decarbonization of the transportation sector.

Advanced Clean Cars Program

In January 2012, CARB approved the Advanced Clean Cars program, which combines the control of GHG emissions and criteria air pollutants, as well as requirements for greater numbers of ZEVs, into a single package of regulatory standards for vehicle model years 2017 through 2025. The new regulations strengthen the GHG standard for 2017 models and beyond. This will be achieved through existing technologies, the use of stronger and lighter materials, and more efficient drivetrains and engines. The program's ZEVs regulation requires battery, fuel cell, and/or plug-in hybrid electric vehicles to account for up to 15 percent of California's new vehicle sales by 2025. The program also includes a clean fuels outlet regulation designed to support the commercialization of zero-emission hydrogen fuel cell vehicles planned by vehicle manufacturers by 2015 by requiring increased numbers of hydrogen fueling stations throughout the State. The number of stations will grow as vehicle manufacturers sell more fuel cell vehicles. By 2025, when the rules will be fully implemented, the statewide fleet of new cars and light trucks will emit 40 percent fewer GHGs and 75 percent fewer smog-forming emissions than 2012 model year vehicles.

Executive Order B-48-18

In January 2018, Governor Brown signed EO B-48-18 requiring all State entities to work with the private sector to have at least 5 million ZEVs on the road by 2030, as well as install 200 hydrogen fueling stations and 250,000 electric vehicle charging stations by 2025. It specifies that 10,000 of the electric vehicle charging stations should be direct current fast chargers. This order also requires all State entities to continue to partner with local and regional governments to streamline the installation of ZEV infrastructure. The Governor's Office of Business and Economic Development is required to publish a Plug-in Charging Station Design Guidebook and update the 2015 Hydrogen Station Permitting Guidebook to aid in these efforts. All State entities are required to participate in updating the 2016 Zero-Emissions Vehicle Action Plan to help expand private investment in ZEV infrastructure with a focus on serving low-income and disadvantaged communities. Additionally, all State entities are to support and recommend policies and actions to expand ZEV infrastructure at residential land uses, through the LCFS Program, and recommend how to ensure affordability and accessibility for all drivers.

Regional Regulations

South Coast Air Quality Management District

In 2008, the SCAQMD formed a Working Group to identify GHG emissions thresholds for land use Projects that could be used by local lead agencies in the Basin. The Working Group developed several different options that are contained in the SCAQMD 2008 draft guidance document titled Interim CEQA GHG Significance Threshold for Stationary Sources, Rules and Plans[38] that could be applied by lead agencies. On September 28, 2010, SCAQMD Working Group Meeting No. 15 provided further guidance, including a tiered approach for evaluating GHG emissions for development projects where the SCAQMD is not the lead agency. The SCAQMD has not presented a finalized version of these thresholds to the governing board.

The SCAQMD identifies the emissions level for which a project would not be expected to substantially conflict with any State legislation adopted to reduce statewide GHG emissions. As such, the utilization of a service population represents the rates of emissions needed to achieve a fair share of the State's mandated emissions reductions. Overall, the SCAQMD identifies a GHG efficiency level that, when applied statewide or to a defined geographic area, would meet the year 2020 and post-2020 emissions targets as required by AB 32 and SB 32. If projects are able to achieve targeted rates of emissions per the service population, the State will be able to accommodate expected population growth and achieve economic development objectives, while also abiding by AB 32's emissions target and future post-2020 targets.

Southern California Association of Governments

On September 3, 2020, SCAG adopted Connect SoCal–The 2020–2045 Regional Transportation Plan/Sustainable Communities Strategy (2020–2045 RTP/SCS).[39] In general, the SCS outlines a

38 SCAQMD. 2008b. Interim CEQA GHG Significance Threshold for Stationary Sources, Rules and Plans.

39 SCAG. 2020. Connect SoCal: The 2020–2045 Regional Transportation Plan/Sustainable Communities Strategy of the Southern California Association of Governments. Website: https://scag.ca.gov/sites/main/files/file-attachments/0903fconnectsocal-plan_0.pdf?1606001176 (accessed June 2023).

development pattern for the region, which, when integrated with the transportation network and other transportation measures and policies, would reduce VMT from automobiles and light-duty trucks and thereby reduce GHG emissions from these sources. For the SCAG region, CARB has set GHG reduction targets at 8 percent below 2005 per capita emissions levels by 2020, and 19 percent below 2005 per capita emissions levels by 2035. The RTP/SCS lays out a strategy for the region to meet these targets. Overall, the SCS is meant to provide growth strategies that will achieve the regional GHG emissions reduction targets. Land use strategies to achieve the region's targets include planning for new growth around high-quality transit areas and livable corridors, and creating neighborhood mobility areas to integrate land use and transportation and plan for more active lifestyles.[40] However, the SCS does not require that local General Plans, Specific Plans, or zoning be consistent with the SCS; SCAG is required to consider local land use controls when drafting the SCS.

Local Regulations

City of Los Angeles Sustainable City pLAn.

The POLA is committed to responsible growth through the implementation of the three tenets of sustainability: environment, economy, and equity. As such, the POLA has adopted the Sustainable City pLAn[41] of the City of Los Angeles. The pLAn contains goals for the City, especially in areas of local solar, energy efficient buildings, carbon and climate leadership, green jobs, preparedness and resiliency, air quality, and environmental justice. In addition, the pLAn advances the City's environment, economy, and social equity in 14 various categories with short term, near term (2025), and long-term (2035) targets. The following municipal targets from the pLAn would be applicable to the proposed Project:

- Recycle 100 percent of all wastewater for beneficial reuse by 2035.
- Reduce potable water use per capita by 22.5 percent by 2025; and 25 percent by 2035; and maintain or reduce 2035 per capita water use through 2050.
- Reduce VMT per capita by at least 13% by 2025; 39% by 2035; and 45% by 2050.
- Reduce port-related GHG emissions by 80% by 2050.
- Reduce industrial emissions by 38% by 2035; and 82% by 2050.
- Increase tree canopy in areas of greatest need by at least 50% by 2028.

40 Ibid.

41 Los Angeles, City of. 2019. *LA's Green New Deal – Sustainable City pLAn*. Website: https://plan.lamayor.org/sites/default/files/pLAn_2019_final.pdf (accessed June 2023)

SETTING

This section provides the current SCAQMD attainment status, climate and air quality, ambient air quality monitoring results, and GHG emissions inventory.

ATTAINMENT STATUS

The CARB is required to designate areas of the state as attainment, nonattainment, or unclassified for all State standards. An *attainment* designation for an area signifies that pollutant concentrations did not violate the standard for that pollutant in that area. A *nonattainment* designation indicates that a pollutant concentration violated the standard at least once, excluding those occasions when a violation was caused by an exceptional event, as defined in the criteria. An *unclassified* designation signifies that data do not support either an attainment or nonattainment status. The CCAA divides districts into moderate, serious, and severe air pollution categories, with increasingly stringent control requirements mandated for each category.

The USEPA designates areas for O_3, CO, and NO_2 as either does not meet the primary standards, or cannot be classified, or better than national standards. For SO_2, areas are designated as does not meet the primary standards, does not meet the secondary standards, cannot be classified, or better than national standards.

Table E provides a summary of the attainment status for the Basin with respect to NAAQS and CAAQS.

Table E: Attainment Status of Criteria Pollutants in the South Coast Air Basin

Pollutant	State	Federal
O_3 1 hour	Nonattainment	Extreme Nonattainment
O_3 8 hour	Nonattainment	Extreme Nonattainment
PM_{10}	Nonattainment	Attainment/Maintenance
$PM_{2.5}$	Nonattainment	Serious Nonattainment
CO	Attainment	Attainment/Maintenance
NO_2	Attainment	Attainment/Maintenance
SO_2	N/A	Attainment/Unclassified
Lead	Attainment	Nonattainment[1]
All others	Attainment/Unclassified	Attainment/Unclassified

Source: South Coast Air Quality Management District (2018).
[1] Los Angeles County is designated as nonattainment, and the other counties in the basin are designated as attainment.
CO = carbon monoxide
N/A = not applicable
NO_2 = nitrogen dioxide
O_3 = ozone
PM_{10} = particulate matter less than 10 microns in size
$PM_{2.5}$ = particulate matter less than 2.5 microns in size
SO_2 = sulfur dioxide

EXISTING CLIMATE AND AIR QUALITY

Air quality in the planning area is not only affected by various emission sources (e.g., mobile and industry), but also by atmospheric conditions (e.g., wind speed, wind direction, temperature, and rainfall). The combination of topography, low mixing height, abundant sunshine, and emissions from

the second-largest urban area in the United States gives the South Coast Air Basin some of the worst air pollution in the nation.

The annual average temperature varies little throughout the Basin, ranging from the low to middle 60s°F. With a more pronounced oceanic influence, coastal areas show less variability in annual minimum and maximum temperatures than inland areas. The climatological station closest to the site is the San Pedro Station.[42] The monthly average maximum temperature recorded at this station ranged from 66.9°F in January to 74.4°F in September, with an annual average maximum of 68.7°F. The monthly average minimum temperature recorded at this station ranged from 47.2°F in January to 61.8°F In August, with an annual average minimum of 54.4°F. These levels are representative of the Project area.

The majority of annual rainfall in the Basin occurs between November and February. Summer rainfall is minimal and is generally limited to scattered thundershowers in coastal regions and slightly heavier showers in the eastern portion of the Basin and along the coastal side of the mountains. Average monthly rainfall at the San Pedro station varied from 0.02 inch in July to 2.37 inches in February, with an annual total of 10.69 inches. Patterns in monthly and yearly rainfall totals are unpredictable due to fluctuations in the weather.

The Basin experiences a persistent temperature inversion (increasing temperature with increasing altitude) as a result of the Pacific high. This inversion limits the vertical dispersion of air contaminants, holding them relatively near the ground. As the sun warms the ground and the lower air layer, the temperature of the lower air layer approaches the temperature of the base of the inversion (upper) layer until the inversion layer finally breaks, allowing vertical mixing with the lower layer. This phenomenon is observed in mid-afternoon to late afternoon on hot summer days when the air appears to clear up suddenly. Winter inversions frequently break by midmorning.

Winds in the Project area blow predominantly from the south-southwest, with relatively low velocities. Wind speeds in the Project area average about 5 miles per hour (mph). Summer wind speeds average slightly higher than winter wind speeds. Low average wind speeds, together with a persistent temperature inversion, limit the vertical dispersion of air pollutants throughout the Basin. Strong, dry, north or northeasterly winds, known as Santa Ana winds, occur during the fall and winter months, dispersing air contaminants. The Santa Ana conditions tend to last for several days at a time.

The combination of stagnant wind conditions and low inversions produces the greatest pollutant concentrations. On days of no inversion or high wind speeds, ambient air pollutant concentrations are the lowest. During periods of low inversions and low wind speeds, air pollutants generated in urbanized areas are transported predominantly on shore into Riverside and San Bernardino Counties. In the winter, the greatest pollution problems are CO and NO_X because of extremely low inversions and air stagnation during the night and early morning hours. In the summer, the longer daylight hours and brighter sunshine combine to cause a reaction between hydrocarbons and NO_x to form photochemical smog. Smog is a general term that is naturally occurring fog that has become mixed with smoke or pollution. In this context it is better described as a form of air pollution

[42] Western Regional Climate Center. Recent Climate in the West. Website: http://www.wrcc.dri.edu, (accessed May 2023).

produced by the photochemical reaction of sunlight with pollutants that have been released into the atmosphere, especially by automotive emissions.

AIR QUALITY MONITORING RESULTS

Air quality monitoring stations are located throughout the nation and are maintained by the local air pollution control district and State air quality regulating agencies. The SCAQMD, together with the CARB, maintains regional ambient air quality monitoring stations in the Basin. However, the POLA also maintains their own monitoring stations. The POLA air quality monitoring station closest to the Project site is the San Pedro Community station.

Pollutant monitoring results for years 2020 to 2022 at the San Pedro Community air quality monitoring station, shown in Table F, indicate that air quality in the area has generally been good. As indicated in the monitoring results, the federal PM_{10} standard an unknown number of exceedances in 2020 and no exceedances in 2021 and 2022. The State PM_{10} standard had an unknown number of exceedances during the 3-year period. The $PM_{2.5}$ federal and State standard had an unknown number of exceedances in the 3—year period. The 1-hour ozone State standard also had an unknown number of exceedances in the 3-year period. The 8-hour ozone State and federal standards had no exceedances for 2020 and 2021 and had an unknown number of times in 2022. The State and federal SO_2 standards had an unknown number of exceedances in 2021 and no exceedances in 2020 and 2022. In addition, the CO and NO_2 standards were not exceeded in this area during the 3-year period.

GREENHOUSE GAS EMISSIONS INVENTORY

An emissions inventory that identifies and quantifies the primary human-generated sources and sinks of GHGs is a well-recognized and useful tool for addressing climate change. This section summarizes the latest information on global, United States, and California GHG emission inventories.

Global Emissions

Worldwide emissions of GHGs in 2020 totaled 22.9 billion metric tons (MT) of CO_2e. Global estimates are based on country inventories developed as part of the programs of the United Nations Framework Convention on Climate Change.[43]

[43] United Nations Framework Convention on Climate Change (UNFCCC). 2021. GHG Data from UNFCCC. Website: unfccc.int/process-and-meetings/transparency-and-reporting/greenhouse-gas-data/ghg-data-unfccc/ghg-data-from-unfccc (accessed June 2023).

Table F: Ambient Air Quality at the Nearest Monitoring Stations

Pollutant	Standard	2020	2021	2022[1]
Carbon Monoxide (CO)[1]				
Maximum 1-hour concentration (ppm)		1.9	6.9	2.7
Number of days exceeded:	State: > 20 ppm	0	0	0
	Federal: > 35 ppm	0	0	0
Maximum 8-hour concentration (ppm)		2.0	1.2	2.2
Number of days exceeded:	State: > 9 ppm	0	0	0
	Federal: > 9 ppm	0	0	0
Ozone (O_3)[1]				
Maximum 1-hour concentration (ppm)		0.101	0.154	0.9
Number of days exceeded:	State: > 0.09 ppm	ND	ND	ND
Maximum 8-hour concentration (ppm)		0.067	0.061	0.071
Number of days exceeded:	State: > 0.07 ppm	0	0	ND
	Federal: > 0.07 ppm	0	0	ND
Coarse Particulates (PM_{10})[1]				
Maximum 24-hour concentration (µg/m^3)		208.8	82.6	72.6
Number of days exceeded:	State: > 50 µg/m^3	ND	ND	ND
	Federal: > 150 µg/m^3	ND	0	0
Annual arithmetic average concentration (µg/m^3)		ND	ND	ND
Exceeded for the year:	State: > 20 µg/m^3	ND	ND	ND
	Federal: > 50 µg/m^3	ND	ND	ND
Fine Particulates ($PM_{2.5}$)[1]				
Maximum 24-hour concentration (µg/m^3)		62.2	39.8	35.4
Number of days exceeded:	Federal: > 35 µg/m^3	ND	ND	ND
Annual arithmetic average concentration (µg/m^3)		ND	ND	ND
Exceeded for the year:	State: > 12 µg/m^3	ND	ND	No
	Federal: > 15 µg/m^3	ND	ND	No
Nitrogen Dioxide (NO_2)[1]				
Maximum 1-hour concentration (ppm)		0.0	0.073	0.061
Number of days exceeded:	State: > 0.250 ppm	0	0	0
Annual arithmetic average concentration (ppm)		ND	ND	ND
Exceeded for the year:	Federal: > 0.053 ppm	ND	ND	ND
Sulfur Dioxide (SO_2)[1]				
Maximum 1-hour concentration (ppm)		ND	0.147	0.014
Number of days exceeded:	State: > 0.25 ppm	ND	ND	ND
Maximum 24-hour concentration (ppm)		ND	0.009	0.004
Number of days exceeded:	State: > 0.04 ppm	0	0	0
	Federal: > 0.14 ppm	0	0	0
Annual arithmetic average concentration (ppm)		ND	ND	ND
Exceeded for the year:	Federal: > 0.030 ppm	No	No	No

Sources: San Pedro Bay Ports Air Quality Monitoring Site Historical Data. Website: monitoring.cleanairactionplan.org/historical-data/ (accessed June 2023)

1. Data taken from the POLA San Pedro Community Monitoring Station

µg/m^3 = micrograms per cubic meter
CARB = California Air Resources Board
ND = No data. There were insufficient (or no) data to determine the value.
Ppm = parts per million
USEPA = United States Environmental Protection Agency

United States Emissions

In 2020, the year for which the most recent data are available, the United States emitted about 5,222 million metric tons of CO_2e (MMT CO_2e). Overall, emissions in 2020 decreased by 11 percent since 2019 and were 21 percent lower than 2005 levels. The primary driver for the decrease was an 11 percent decrease in CO_2 emissions from fossil fuel combustion. This decrease was primarily due to a 13 percent decrease in transportation emissions driven by decreased demand due to the ongoing COVID-19 pandemic. Electric power sector emissions also decreased 10 percent, reflecting both a slight decrease in demand from the COVID-19 pandemic and a continued shift from coal to less carbon intensive natural gas and renewables. Of the five major sectors – residential and commercial, agricultural, industry, transportation, and electricity generation – transportation accounted for the highest amount of GHG emissions in 2020 (approximately 27 percent), with electricity generation second at 27 percent and emissions from industry third at 24 percent.[44]

State of California Emissions

The State emitted approximately 369.2 MMT CO_2e emissions in 2020, 35.3 MMT CO_2e lower than 2019 levels and 61.8 MMT CO_2e below the 2020 GHG limit of 431 MMT CO_2e.[45] The California Air Resources Board (CARB) estimates that transportation was the source of approximately 37 percent of the State's GHG emissions in 2020, which is a smaller share than recent years, as the transportation sector saw a significant decrease of 26.6 MMT CO_2e in 2020, likely due in large part to the impact of the COVID-19 pandemic. The next largest sources included industrial sources at approximately 20 percent and electricity generation at 16 percent. The remaining sources of GHG emissions were commercial and residential activities at 10 percent, agriculture at 9 percent, high GWP at 6 percent, and waste at 2 percent.[46]

City of Los Angeles Emissions

The City of Angeles' most recent GHG inventory for baseline year 2008 and 2017–2020 is shown in Table G. Overall emissions have been decreasing, and in 2020, there was a 54 percent decrease in emissions from the 2008 baseline. Table G summarizes the total annual municipal GHG emissions from 2008 and 2017–2020 by sector. The power generation related emissions are the largest contributor to GHG emissions in the City. The second largest contributor of emissions are buildings and other facilities, followed by vehicle fleet emissions and water reclamation emissions.

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44 USEPA. 2021. Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2019. Website: https://www.epa.gov/ghgemissions/inventory-us-greenhouse-gas-emissions-and-sinks-1990-2019 (accessed June 2023).

45 CARB. 2022a. *California Greenhouse Gas Emissions for 2000 to 2020, Trends of Emissions and Other Indicators Report*. Website: https://ww2.arb.ca.gov/sites/default/files/classic/cc/inventory/2000-2020_ghg_inventory_trends.pdf (accessed June 2023).

46 Ibid.

Table G: Total Municipal Emissions by Sector (2008 and 2017-2020)

Sector	2008	2017	2018	2019	2020
Building and Other Facilities	266,795	159,544	170,628	155,099	136,609
Streetlight and Traffic Signals	153,247	36,793	45,203	38,865	30,654
Water Delivery Facilities	67,763	39,793	41,720	35,113	28,845
Water Reclamation Facilities	189,137	118,379	102,404	98,152	92,705
Port Facilities	7,654	6,466	6,822	6,380	5,013
Airport Facilities	135,388	86,889	90,801	91,605	78,381
Vehicle Fleet	191,292	171,349	161,986	145,038	132,047
Transit Fleet	35,263	24,463	29,370	20,420	19,980
Power Generation	16,206,619	9,616,772	9,179,050	7,931,83	7,263,656
Solid Waste Facilities	196,470	164,080	160,861	157,692	154,531
Total Municipal Emissions	16,750,555	10,105,814	9,668,591	8,394,385	7,709,448

Source: LA Sanitation & Environment. 2022. *City of Los Angeles – 2020 Municipal Greenhouse Gas Inventory.* April. (Accessed June 2023)

Port of Los Angeles GHG Emissions

The POLA's air emissions from 2021, 2020, and 2005 are shown in Table H. Emissions from 2021 more than doubled when compared to the previous year of 2020. However, emissions in 2021 are still lower than those in the baseline year of 2005. Therefore, even with the increase in emissions in 2021, the POLA would still be on track to meet the CAAP goal of reducing air emissions.

Table H: POLA-Wide Air Emissions Comparison

EI YEAR	PM_{10} (Tons)	$PM_{2.5}$ (Tons)	DPM (Tons)	NO_x (Tons)	SO_x (Tons)	CO (Tons)	HC (Tons)	CO_2e (Tonnes)
2021	182	168	136	8,729	255	2,040	464	1,253,229
2020	107	99	87	5,672	104	1,491	306	899,453
2005	1,001	861	840	15,459	4,839	3,601	813	1,017,459
Previous Year (2020-2021)	**69%**	**69%**	**56%**	**54%**	**145%**	**37%**	**52%**	**39%**
CAAP Progress (2005-2021)	**-82%**	**-80%**	**-84%**	**-44%**	**-95%**	**-43%**	**-43%**	**23%**

Source: POLA. 2022. *Inventory of Air Emissions 2021 Technical Report.* September. (accessed August 2023)

METHODOLOGY

The methodology used to estimate air quality, health risk, GHG, and energy impacts is described below.

CONSTRUCTION EMISSIONS

Construction activities can generate a substantial amount of air pollution. Construction activities are considered temporary; however, short-term impacts can contribute to exceedances of air quality standards. Construction activities include demolition, site preparation, earthmoving, and general construction. The emissions generated from these common construction activities include fugitive dust from soil disturbance, fuel combustion from mobile heavy-duty diesel and gasoline powered equipment, portable auxiliary equipment, and worker commute trips.

The California Emissions Estimator Model version 2022.1.1.20 (CalEEMod) computer program was used to calculate emissions from on-site construction equipment and emissions from worker and vehicle trips to the site. As discussed previously in the Project Location and Description section, construction is anticipated to being in the second quarter of 2025 and be completed in 8 months, which was included in CalEEMod. The proposed Project would require the export of approximately 500 cubic yards of TPH and VOC impacted soils which would be disposed at either Chiquita Canyon Landfill, Simi Valley Landfill, or Soil Safe Adelanto, which was included in CalEEMod. To be conservative, this analysis assumes the impacted soils would be hauled to Soil Safe Adelanto, which is the furthest from the Project site (117 miles). The proposed Project would require the import of approximately 3,433 cubic yards of soil, which was also included in CalEEMod. In addition, this analysis assumes the use of Tier 3 construction equipment. This analysis also assumes that the proposed Project would comply with SCAQMD Rule 403 measures as required by existing regulations. All other construction details are not yet known; therefore, default assumptions (e.g., construction worker and truck trips and fleet activities) from CalEEMod were used.

OPERATIONAL EMISSIONS

The air quality analysis includes estimating emissions associated with long-term operation of the proposed Project. Consistent with the SCAQMD guidance for estimating emissions associated with land use development Projects, the CalEEMod computer program was used to calculate the long-term operational emissions associated with the Project. As discussed in the Project Location and Description section, the proposed Project would include the construction of a trailer parking lot, consisting of 393 trailer stalls and associated site improvements. The proposed Project would also include installation of a traffic signal, a prefabricated guard booth and restroom for use by truck drivers and Project employees; however, emissions associated with the traffic signal, guard booth and restroom are expected to be minimal. Therefore, this analysis focuses on the trailer parking lot and associated truck trips.

The proposed Project analysis was conducted using land use code *Parking Lot*. In order to provide a conservative analysis, horizon year trips for the Project were modeled. Trip generation rates used in

CalEEMod for the proposed Project were based on the Project's VMT Screening Memo[47], which identifies that the proposed Project would generate approximately 1,808 average daily trips, including 1,794 one-way truck trips, 4 one-way delivery/vendor trips, and 10 passenger vehicle trips during the horizon year condition. Based on the VMT Screening Memo, the total increase in VMT per day would be 6,809 over baseline POLA VMT, which is an average VMT per truck of 3.8 miles; therefore, this analysis would assume that each truck trip would travel 3.8 miles over baseline POLA conditions. CalEEMod assumes that all trucks would be diesel-fueled and heavy heavy duty trucks (HHDT), which is a conservative estimate of potential emissions as POLA requirements would result in a phase out of diesel trucks in favor of zero-emission and near-zero-emissions trucks. In addition, the Project would need onsite operational equipment which would involve the use of a yard goat and two forklifts. Onsite operational equipment would be zero-emission and all-electric.

HEALTH RISK ASSESSMENT

For the purposes of a health risk assessment (HRA), emissions are analyzed for acute health impacts, chronic, and carcinogenic health impacts. A multi-pathway assessment has been conducted to evaluate the Project's emissions during construction and operation following the modeling techniques recommended in the CalEPA's Office of Environmental Health Hazard Assessment (OEHHA) *Air Toxic Hot Spots Program Risk Assessment Guidelines*.[48] The analysis herein has been conducted in accordance with SCAQMD requirements for HRAs.

The HRA analysis was conducted using three models: (1) EMFAC2021 for on-road vehicle emissions factors and percentages of fuel type within the overall vehicle fleet; (2) the USEPA AERMOD air dispersion model to determine how the TACs would move through the atmosphere after release from sources both on site and on surrounding roadways; and (3) CARB's HARP2 model to translate the pollutant concentrations from AERMOD into individual health risks at any sensitive receptor locations surrounding the Project site.

The OEHHA has determined that long-term exposure to diesel exhaust particulates poses the highest cancer risk of any TAC it has evaluated. Exposure to diesel exhaust can also have immediate health effects. Diesel exhaust can irritate the eyes, nose, throat, and lungs, and it can cause coughs, headaches, lightheadedness, and nausea. In studies with human volunteers, DPM made people with allergies more susceptible to the materials to which they were allergic, such as dust and pollen. Exposure to DPM also causes inflammation in the lungs, which may aggravate chronic respiratory symptoms and increase the frequency or intensity of asthma attacks. For risk assessment procedures, the OEHHA specifies that the surrogate for whole diesel exhaust is DPM. The HRA analyses used PM_{10} emissions to represent DPM emissions, consistent with OEHHA guidance.

The conservative nature of this analysis is due primarily to the following three factors:

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47 EPD Solutions, Inc. 2023. *John S. Gibson Trailer Lot Project Vehicles Miles Traveled (VMT) Screening Memo.* May 26.

48 California Environmental Protection Agency (CalEPA) Office of Environmental Health Hazard Assessment (OEHHA). 2015. *Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*. March. Website: https://oehha.ca.gov/air/air-toxics-hot-spots (accessed June 2023).

- The CARB-adopted diesel exhaust unit risk factor (URF) of 300 in 1 million per microgram per cubic meter ($\mu g/m^3$) is based on the upper 95th percentile of estimated risk for each of the epidemiological studies used to develop the URF. Therefore, the risk factor is already representative of the conservative risk posed by DPM.

- The risk estimates assume sensitive receptors would be subject to DPM 24 hours per day, 350 days per year. As a conservative measure, SCAQMD does not recognize indoor adjustments for residents. However, typical people spend the majority of their time indoors versus remaining outdoors 24 hours per day, 350 days per year.

- The exposure to DPM is assumed to be constant for the given period analyzed (i.e., 30 years for the residential receptors and 25 years for the worker receptors). However, emissions from DPM are expected to substantially decrease in the future with the implementation of standard regulatory requirements and technological advancement to reduce DPM.

Emission Sources

Construction Health Risk Assessment

A construction HRA, which evaluates construction-period health risk to off-site receptors, was performed for the proposed Project. To estimate the potential cancer risk associated with construction of the proposed Project from equipment exhaust (including DPM), a dispersion model was used to translate an emission rate from the source location to a concentration at the receptor location of interest (i.e., a nearby residence and worksites). The HRA analyses used PM_{1o} emissions to represent DPM emissions, consistent with OEHHA guidance.[49] Dispersion modeling varies from a simpler, more conservative screening-level analysis to a more complex and refined detailed analysis. This refined assessment was conducted using the CARB exposure methodology with the air dispersion modeling performed using the USEPA dispersion model AERMOD. The model provides a detailed estimate of exhaust concentrations based on site and source geometry, source emissions strength, distance from the source to the receptor, and meteorological data.

Operational Health Risk Assessment

To determine the potential health risk to people living near the proposed Project associated with the exhaust of diesel-powered trucks and equipment, an operational HRA was conducted for the proposed Project.

The first step of an HRA is to characterize the Project-related emissions of TACs. The proposed Project would generate approximately 1,808 average daily trips, including 1,794 one-way truck trips, 4 one-way delivery/vendor trips, and 10 passenger vehicle trips. This analysis assumes that all trucks would be HHDT. The trucks would access the site via one onsite driveway, which would be located in John S. Gibson Boulevard. The proposed Project would provide 393 trailer stalls; as the Project would contain multiple trailer stalls, offsite queuing of trucks is not anticipated. While the TAC emissions from gasoline-powered vehicles have a small health effect compared to DPM, this HRA includes both gasoline- and diesel-powered vehicle emissions. For the diesel exhaust emissions, it is

[49] CalEPA OEHHA. 2015. op cit.

sufficient to only consider the DPM (PM_{10} and $PM_{2.5}$) portions of the exhaust; all the TACs for the gasoline exhaust emissions are contained in the ROG emissions. Using speciation data from CARB, the emission rates of the TAC components are derived from the total ROG emissions. These data are attached.

Project trucks would operate in two modes: stationary idling and moving on and off the site. The emissions from trucks while idling result in a much higher concentration of TACs at nearby sensitive receptors compared to the emissions from moving trucks. This is due to the dispersion of emissions that occurs with distance and with travel of the vehicle. For this HRA, the truck travel emissions were modeled as a series of volume sources along the onsite driveway, along surrounding roadways, as shown in Figure 3 below. LSA assumed vehicles traveling on site would maneuver slowly, averaging approximately 5–15 mph, and that vehicles traveling on roadways would average 5–55 mph. On-site VMT assumptions are shown in the operational HRA data outputs, which are included in Appendix B.

Receptors were placed at the nearest sensitive receptor locations, as depicted in green in Figure 3 below.

Figure 3: Project Sources and Receptors

The idling emissions of trucks operating on the Project site were modeled as point sources within the area sources representing the planned loading docks. EMFAC2021 was used to determine the emissions factors of idling and operating diesel trucks to determine the total emissions of DPM. While it is expected that the truck emissions rate will continue to reduce over time, an HRA only allows for a single emission rate to represent the entire 30-year exposure period. The use of

emissions factors for the year 2025, was used as a conservative estimate of emissions, although, the Project is not expected to be fully operational until 2026.

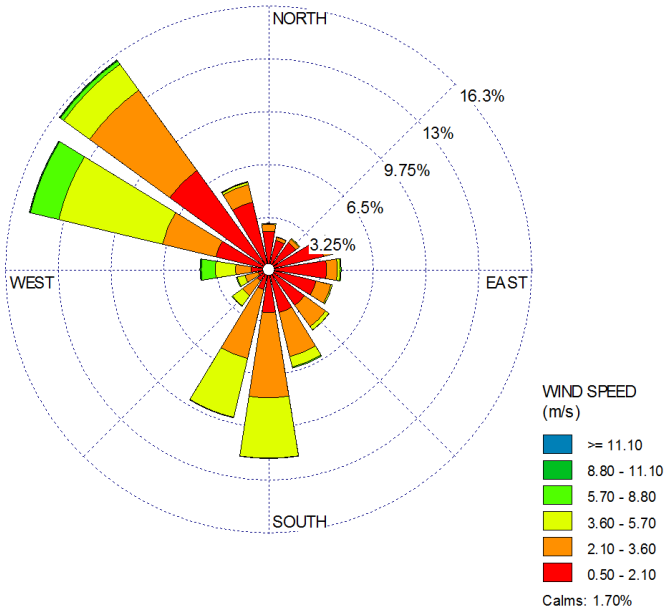
American Meteorological Society/Environmental Protection Agency Regulatory Model Dispersion Modeling

In order to assess the dispersion of emissions associated with the Project, air dispersion modeling was performed using AERMOD. The model is approved by the USEPA when estimating the air quality impacts associated with point and fugitive sources in simple and complex terrain. The model was used to calculate the annual average pollutant concentrations associated with each emitting source. Inputs for each emitting source were based on the characterizations described above. Details of these inputs are attached.

For the volume sources used to represent on-road mobile source activity, vertical (sigma z) dispersion parameters were developed as described in the SCAQMD's modeling guidance for trucks. For the truck parking locations, individual point sources represent the trucks idling at each space. For all the idling sources, the release parameters were set to the SCAQMD default parameters.

The model requires additional input parameters, including local meteorology. Due to the model's sensitivity to individual parameters (e.g., wind speed, temperature, and direction), the USEPA recommends meteorological data used as input into dispersion models be selected on the basis of relative spatial and temporal conditions that exist in the area of concern. As such, 5 years of meteorological data from SCAQMD's Long Beach Airport Monitoring Station (the nearest available station) was used to represent local weather conditions and prevailing winds. Figure 4 shows the graphical representation of the wind patterns.

Receptors were placed at the nearest sensitive receptor locations, as shown in Figure 3 above.



Source: SCAQMD Meteorological Data for AERMOD.

Figure 4: Project Area Wind Patterns

Hotspots Analysis and Reporting Program Modeling

CARB's HARP2 model is a tool that assists with the programmatic requirements of the Air Toxics "Hot Spots" Program (AB 2588). HARP2 was used to translate the TAC concentrations from AERMOD into long-term carcinogenic and chronic, and short-term acute health risk levels following the guidance in the SCAQMD and OEHHA risk assessment guidelines. These guidelines specify a minimum set of TAC pathways and HARP2 modeling options for the carcinogenic assessment. To estimate chronic noncancer risks at residential receptors, the "RMP-(Risk Management Policy) Derived Method" risk-calculation option was used. Following the OEHHA guidance, an 8-hour chronic noncancer risk was calculated for residential receptors because the Project would operate more than 8 hours per day and 5 days per week.

The dose-response relationship for a specific pollutant describes the association between exposure and the observed response (health effect). In other words, the relationship estimates how different levels of exposure to a pollutant change the likelihood and severity of health effects. The dose-response relationship (the response occurring with increasing doses) varies with each pollutant, individual sensitivity, and type of health effect. Combining the results of the emission characterization and dispersion modeling described above with the dose-response assessment gives an estimate of the increased health risk for an individual exposed to the maximum predicted long-term concentrations of TACs.

Discrete variants for daily breathing rates, exposure frequency, and exposure duration were default rates as presented in the OEHHA guidance document entitled *Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*[50] and guidance from SCAQMD.

POPULATION-WIDE RISKS (CANCER BURDEN)

If incremental individual cancer risk from the proposed Project would exceed the SCAQMD regulatory threshold of an incremental increase of 1 in one million, then an estimated determination of population level risks is required.[51] This is distinct from the cancer risk, which is the risk probability for an exposed individual. The burden calculations are conservative estimates of the number of cancer cases that could occur in the exposed populations. The impacts are considered significant if more than 0.5 cases are calculated for the proposed Project.

For the cancer burden analysis, the proposed Project risk is evaluated for a 30-year residential scenario in order to determine population-wide risks. The zone of impact is the area surrounding the Project site that encompasses cancer risk values greater than or equal to 1 in one million and would be determined by modeling. The population-wide risks would be estimated for persons living within the zone of impact.

A census block group is a statistical area within a census tract that is assigned a population number. The cancer burden analysis utilized census data from HARP2 and then is cross-referenced with the calculated cancer risks. The total cancer burden for the proposed Project was determined as the sum of the individual census block group cancer burdens.

ENERGY USE

The analysis of electricity/natural gas usage is based on the CalEEMod modeling conducted by LSA, which quantifies energy use for Project operations. CalEEMod quantifies direct emissions from construction and operations (including vehicle use), as well as indirect emissions, such as greenhouse gas (GHG) emissions from energy use, solid waste disposal, vegetation planting and/or removal, and water use. CalEEMod utilizes widely accepted methodologies for estimating emissions combined with default data that can be used when site-specific information is not available, including data from the California Energy Commission (CEC). CalEEMod contains default values for estimating utility consumption (e.g., water, electricity, natural gas) that may be used in preparation of energy analyses. Additionally, it should also be noted that the energy use factors included in CalEEMod, which was used to estimate energy for the Project, are based on the CEC-sponsored California Commercial End Use Survey (CEUS) and Residential Appliance Saturation Survey (RASS) studies, which provide a more conservative assumption based on actual use surveys and are the best available information for purposes of this assessment. As such, CalEEMod is appropriate for use in energy analyses. In addition, fuel consumption (diesel fuel and gasoline) from vehicle trips during operation was estimated for the opening year (2025) of the proposed Project based on trip estimates from the CalEEMod model and fuel efficiencies from the CARB EMission FACtor Model

50 California Environmental Protection Agency (CalEPA) Office of Environmental Health Hazard Assessment (OEHHA). 2015. *Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*. March. Website: https://oehha.ca.gov/air/air-toxics-hot-spots (accessed June 2023).

51 SCAQMD. 2017. Risk Assessment Procedures for Rule 1401, 1401.1, and 212, Version 8.1.

(EMFAC2021) model. Estimates of fuel consumption (diesel fuel and gasoline) from construction trucks and construction worker vehicles were based on trip estimates from the CalEEMod model and fuel efficiencies from the CARB EMFAC2021 model.

The analysis focuses on the sources of energy that are relevant to the proposed Project: electricity, the equipment fuel necessary for Project construction, and vehicle fuel necessary for Project operations. For the purposes of this analysis, the amount of electricity, construction fuel, and fuel use from operations are quantified and compared to that consumed in Los Angeles County. The electricity use of the proposed Project is analyzed as a whole on an annual basis. Electricity use was estimated for the Project using default energy intensities by land use type in CalEEMod.

GREENHOUSE GAS ANALYSIS

Recognizing that the field of global climate change analysis is rapidly evolving, the approaches advocated most recently indicate that for determining a Project's contribution to GHG emissions, lead agencies should calculate, or estimate, emissions from vehicular traffic, energy consumption, water conveyance and treatment, waste generation, construction activities, and any other significant source of emissions within the Project area. The CalEEMod results were used to quantify GHG emissions generated by the Project.

THRESHOLDS OF SIGNIFICANCE

The *State CEQA Guidelines* indicate that a project would normally have a significant adverse air quality impact if Project-generated pollutant emissions would:

- Conflict with or obstruct implementation of the applicable air quality plan;
- Result in a cumulatively considerable net increase of any criteria pollutant for which the project is nonattainment under applicable federal or State ambient air quality standards;
- Expose sensitive receptors to substantial pollutant concentrations; or
- Result in other emissions (such as those leading to odors) affecting a substantial number of people.

The *State CEQA Guidelines* indicate that a project would normally have a significant adverse energy impact if the Project would:

- Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation; or
- Conflict with or obstruct a state or local plan for renewable energy or energy efficiency.

The *State CEQA Guidelines* indicate that a project would normally have a significant adverse greenhouse gas emission impact if the project would:

- Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment; or
- Conflict with an applicable plan, policy or regulation adopted for the purpose of reduction the emissions of greenhouse gases.

Certain air districts (e.g., SCAQMD) have created guidelines and requirements to conduct air quality analysis. The SCAQMD's current guidelines, the CEQA Air Quality Handbook with associated updates, were followed in this assessment of air quality and GHG impacts for the proposed Project.

AIR QUALITY

SCAQMD has established daily emissions thresholds for construction and operation of a proposed project in the Basin. The emissions thresholds were established based on the attainment status of the Basin with regard to air quality standards for specific criteria pollutants. Because the concentration standards were set at a level that protects public health with an adequate margin of safety, these emissions thresholds are regarded as conservative and would overstate an individual project's contribution to health risks.

Criteria Pollutant Thresholds

The L.A. CEQA Thresholds Guide[52] references the SCAQMD CEQA Air Quality Handbook and EPA AP-42[53] for calculating and determining the significance of construction emissions. SCAQMD's current guidelines, the *CEQA Air Quality Handbook* with associated updates, were followed in this assessment of air quality and climate impacts for the Proposed Project. Table I lists the CEQA significance thresholds for construction and operational emissions established for the Basin. Projects in the Basin with construction- or operation-related emissions that exceed any of their respective emission thresholds would be considered significant under SCAQMD guidelines. These thresholds, which SCAQMD developed and that apply throughout the Basin, apply as both project and cumulative thresholds. If a project exceeds these standards, it is considered to have a project-specific and cumulative impact.

Table I: Regional Thresholds for Construction and Operational Emissions

Emissions Source	Pollutant Emissions Threshold (lbs/day)					
	VOCs	NO_x	CO	PM_{10}	$PM_{2.5}$	SO_x
Construction	75	100	550	150	55	150
Operations	55	55	550	150	55	150

Source: SCAQMD. Air Quality Significance Thresholds. Website: http://www.aqmd.gov/docs/default-source/ceqa/handbook/scaqmd-air-quality-significance-thresholds.pdf (accessed June 2023).

CO = carbon monoxide
lbs/day = pounds per day
NO_x = nitrogen oxides
PM_{10} = particulate matter less than 10 microns in size
$PM_{2.5}$ = particulate matter less than 2.5 microns in size
SCAQMD = South Coast Air Quality Management District
SO_X = sulfur oxides
VOCs = volatile organic compounds

Health Risk Thresholds

The following limits for maximum individual cancer risk (MICR) and noncancer acute and chronic Hazard Index (HI) from project emissions of TACs are considered appropriate for use in determining the health risk for projects in the Basin:

- **MICR:** MICR is the estimated probability of a maximally exposed individual (MEI) contracting cancer as a result of exposure to TACs over a period of 30 years for adults and 9 years for children in residential locations and over a period of 25 years for workers. The MICR calculations include multipathway consideration, when applicable.

  The cumulative increase in MICR that is the sum of the calculated MICR values for all TACs would be considered significant if it would result in an increased MICR greater than 10 in 1 million (1×10^{-5}) at any receptor location.

[52] City of Los Angeles. 2006. L.A. CEQA Thresholds Guide. Website: https://planning.lacity.org/eir/CrossroadsHwd/deir/files/references/A07.pdf (accessed July 2023)

[53] United States Environmental Protection Agency (EPA). 2011. AP-42: Compilation of Air Pollutant Emissions Factors.

- **Chronic HI:** Chronic HI is the ratio of the estimated long-term level of exposure to a TAC for a potential MEI to its chronic reference exposure level. The chronic HI calculations include multipathway consideration, when applicable.

  The Project would be considered significant if the cumulative increase in total chronic HI for any target organ system would exceed 1.0 at any receptor location.

- **Acute HI:** Acute HI is the ratio of the estimated maximum 1-hour concentration of a TAC for a potential MEI to its acute reference exposure level.

  The Project would be considered significant if the cumulative increase in total acute HI for any target organ system would exceed 1.0 at any receptor location.

The SCAQMD's *CEQA Air Quality Handbook*[54] states that emissions of TACs are considered significant if an HRA shows an increased risk of greater than 10 in 1 million. Based on guidance from SCAQMD in the document *Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis*[55], for the purposes of this analysis, the threshold of 10 in 1 million was used as the cancer risk threshold for the proposed Project.

If incremental individual cancer risk from the proposed Project would exceed the SCAQMD regulatory threshold of an incremental increase of 1 in one million, then an estimated determination of population level risks is required.[56] This is distinct from the cancer risk, which is the risk probability for an exposed individual. The burden calculations are conservative estimates of the number of cancer cases that could occur in the exposed populations. The impacts are considered significant if more than 0.5 cases are calculated for the proposed Project.

Localized Impacts Analysis

The SCAQMD published its *Final Localized Significance Threshold Methodology* in July 2008, recommending that all air quality analyses include an assessment of air quality impacts to nearby sensitive receptors.[57] This guidance was used to analyze potential localized air quality impacts associated with construction of the proposed Project. Localized significance thresholds (LST) are developed based on the size or total area of the emission source, the ambient air quality in the source receptor area, and the distance to the Project. Sensitive receptors include residences, schools, hospitals, and similar uses that are sensitive to adverse air quality.

LSTs are based on the ambient concentrations of that pollutant within the Project Source Receptor Area (SRA) and the distance to the nearest sensitive receptor. For the proposed Project, the appropriate SRA for the LST is the nearby South Coastal LA County (SRA 4). SCAQMD provides LST screening tables for 25-, 50-, 100-, 200-, and 500-meter source-receptor distances. As identified above, the closest sensitive receptors to the Project site are single-family homes located southwest

54 SCAQMD. 1993. *CEQA Air Quality Handbook* (currently under revision).
55 SCAQMD. 2003. *Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis*. August.
56 SCAQMD. 2017. Risk Assessment Procedures for Rule 1401, 1401.1, and 212, Version 8.1.
57 SCAQMD. 2008a. *Final Localized Significance Threshold Methodology.* July.

of the Project site at approximately 1,366 feet (416 meters) from the western Project site boundary line to the residences. As such, LST thresholds were derived by interpolation using the distance to the nearest sensitive receptor per lookup table. Based on the anticipated construction equipment and the SCAQMD methodology for applying CalEEMod to LST Thresholds document, it is assumed that the maximum daily disturbed acreage for the proposed Project would be 3.5 acres for construction.[58] Operational LST thresholds are based on a 5.0-acre disturbance area. Table J lists the emissions thresholds that apply during Project construction and operation.

Table J: South Coast Air Quality Management District Localized Significance Thresholds

Emissions Source	Pollutant Emissions Threshold (lbs/day)			
	NO_x	CO	PM_{10}	$PM_{2.5}$
Construction (3.5 acres, 416 meters)	153.0	7,630.0	152.0	89.0
Operations (5.0 acres, 416 meters)	168.0	8,514.0	39.0	24.0

Source: South Coast Air Quality Management District (2008).
CO = carbon monoxide
lbs/day = pounds per day
NO_x = nitrogen oxides
PM_{10} = particulate matter less than 10 microns in size
$PM_{2.5}$ = particulate matter less than 2.5 microns in size

Local Microscale Concentration Standards

The significance of localized Project impacts under CEQA depends on whether ambient CO levels in the vicinity of the Project are above or below State and federal CO standards. Because ambient CO levels are below the standards throughout the Basin, a Project would be considered to have a significant CO impact if Project emissions result in an exceedance of one or more of the 1-hour or 8-hour standards. The following are applicable local emission concentration standards for CO:

- California State 1-hour CO standard of 20 parts per million (ppm)
- California State 8-hour CO standard of 9 ppm

GREENHOUSE GAS THRESHOLDS

To provide guidance to local lead agencies on determining significance for GHG emissions in their CEQA documents, SCAQMD convened a GHG CEQA Significance Threshold Working Group (Working Group). Based on the last Working Group meeting held in September 2010 (Meeting No. 15), SCAQMD proposed to adopt a tiered approach for evaluating GHG emissions for development Projects where SCAQMD is not the lead agency:

- **Tier 1. Exemptions:** If a Project is exempt from CEQA, Project-level and cumulative GHG emissions are less than significant.

- **Tier 2. Consistency with a locally adopted GHG Reduction Plan:** If the Project complies with a GHG emissions reduction plan or mitigation program that avoids or substantially reduces GHG

[58] SCAQMD. n.d. *Fact Sheet for Applying CalEEMod to Localized Significance Thresholds*. Website: http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/caleemod-guidance.pdf (accessed May 2023).

emissions in the Project's geographic area (i.e., city or county), Project-level and cumulative GHG emissions are less than significant.

- **Tier 3. Numerical Screening Threshold:** If GHG emissions are less than the numerical screening-level threshold, Project-level and cumulative GHG emissions are less than significant.

  For Projects that are not exempt or where no qualifying GHG reduction plans are directly applicable, SCAQMD requires an assessment of GHG emissions. The 10,000 MT of CO_2e per year (MT CO_2e/yr) threshold for industrial uses would be recommended for use by all lead agencies. Under Option 1, separate screening thresholds are proposed for residential Projects (3,500 MT CO_2e/yr), commercial Projects (1,400 MT CO_2e/yr), and mixed-use Projects (3,000 MT CO_2e/yr). Under Option 2, a single numerical screening-level threshold of 3,000 MT CO_2e/yr would be used for all non-industrial Projects.

- **Tier 4. Performance Standards:** If emissions exceed the numerical screening threshold, a more detailed review of the Project's GHG emissions is warranted. SCAQMD has proposed an efficiency target for Projects that exceed the bright-line threshold. The current recommended approach is per capita efficiency targets. SCAQMD is not recommending use of a percent emissions reduction target. Instead, SCAQMD proposes a 2020 efficiency target of 4.8 MT CO_2e/yr per service population (for Project-level analyses and 6.6 MT CO_2e/yr per service population for plan-level Projects (e.g., program-level Projects such as general plans). The GHG efficiency metric divides annualized GHG emissions by the service population, which is the sum of residents and employees, per the following equation:

  Rate of Emission: GHG Emissions (MT CO_2e/yr) ÷ Service Population

- The efficiency evaluation consists of comparing the Project's efficiency metric to efficiency targets. Efficiency targets represent the maximum quantity of emissions each resident and employee in the State of California could emit in various years based on emissions levels necessary to achieve the statewide GHG emissions reduction goals. A Project that results in a lower rate of emissions would be more efficient than a Project with a higher rate of emissions, based on the same service population. The metric considers GHG reduction measures integrated into a Project's design and operation (or through mitigation). The per capita efficiency targets are based on the AB 32 GHG reduction target and 2020 GHG emissions inventory prepared for the CARB's 2008 Scoping Plan.

For the purpose of this analysis, the proposed Project will be compared to the threshold of 10,000 MT CO_2e/year for industrial uses. The Project is also evaluated for compliance with the 2022 Scoping Plan and SCAG's RTP/SCS.

IMPACTS ANALYSIS

This section identifies the air quality, energy, and GHG emissions impacts associated with implementation of the proposed Project.

AIR QUALITY IMPACTS

Air pollutant emissions associated with the Project would occur over the short term from construction activities and over the long term from operational activities associated with the proposed Project.

Consistency with Applicable Air Quality Plans

A consistency determination plays an essential role in local agency Project review by linking local planning and unique individual Projects to the air quality plans. A consistency determination fulfills the CEQA goal of fully informing local agency decision-makers of the environmental costs of the Project under consideration at a stage early enough to ensure that air quality concerns are addressed. Only new or amended General Plan elements, Specific Plans, and significantly unique Projects need to undergo a consistency review due to the air quality plan strategy being based on Projections from local General Plans.

The AQMP is based on regional growth Projections developed by SCAG. The proposed Project would include the construction of a trailer lot consisting of 393 trailer stalls. The proposed Project would not house more than 1,000 persons, occupy more than 40 acres of land, or encompass more than 650,000 sq ft of floor area. Thus, the proposed Project would not be defined as a regionally significant Project under CEQA; therefore, it does not meet SCAG's Intergovernmental Review criteria.

The City's General Plan and Port of Los Angeles Master Plan is consistent with the SCAG Regional Comprehensive Plan Guidelines and the SCAQMD AQMP. Pursuant to the methodology provided in the SCAQMD's *CEQA Air Quality Handbook*, consistency with the Basin 2022 AQMP is affirmed when a Project (1) would not increase the frequency or severity of an air quality standards violation or cause a new violation and (2) is consistent with the growth assumptions in the AQMP. Consistency review is presented as follows:

1. The Project would result in short-term construction and long-term operational pollutant emissions that are all less than the CEQA significance emissions thresholds established by SCAQMD, as demonstrated below; therefore, the Project would not result in an increase in the frequency or severity of an air quality standards violation or cause a new air quality standards violation.

2. The *CEQA Air Quality Handbook* indicates that consistency with AQMP growth assumptions must be analyzed for new or amended General Plan elements, Specific Plans, and significant Projects. Significant Projects include airports, electrical generating facilities, petroleum and gas refineries, designation of oil drilling districts, water ports, solid waste disposal sites, and offshore drilling

facilities. As mentioned above, the proposed Project would construct a trailer parking lot consisting of 393 trailer spaces; therefore, the proposed Project is not defined as significant.

A portion of the Project site is within the Port of Los Angeles Mater Plan land use designation of Open Space. The Project would require a Port of Los Angeles Master Plan amendment to Maritime Support for APNs 7440-016-002, 7440-016-003, and 7440-016-007. The Maritime Support designation provides for water-dependent and non-water-dependent operations necessary to support cargo handling and other maritime activities. The remaining APNs (7440-016-001, 7440-016-002, 7440-016-003, and 7412-024-) have a General Plan land use designation of General/Bulk Cargo – Non-Hazardous Industrial and Commercial and are zoned Heavy Industrial [Q] M3-1VL and Light Industrial [Q] M2-1VL. The Project would be consistent with the City's land use designation and zoning for these APNs.

With respect to determining the proposed Project consistency with the air quality plan growth assumptions, the Projections in the AQMP for achieving air quality goals are based on assumptions in SCAG's RTP/SCS regarding population, housing, and growth trends. According to SCAG's 2020–2045 RTP/SCS, the City's population, households, and employment are forecast to increase by approximately 837,500 residents, 426,000 households, and 287,600 jobs, respectively, between 2016 and 2045.[59] The proposed Project would construct a trailer parking lot consisting of 393 trailer stalls. The proposed Project would have a total of 4 employees. The additional 4 employees would fall within the 287,600 jobs projected for the City. Therefore, it is assumed that it the Project's labor demand would not substantially increase population, households, or employment in the City. As such, the Project would be consistent with SCAG's goals for new job growth in the region.

In addition, since the proposed Project would not include airports, electrical generating facilities, petroleum and gas refineries, designation of oil drilling districts, water ports, solid waste disposal sites, and offshore drilling facilities, the proposed Project is not defined as a significant Project as defined by the SCAQMD's *CEQA Air Quality Handbook*. Therefore, it is unlikely that the proposed Project would interfere with SCAQMD's goals for improving air quality in the region. The proposed Project would not conflict with the 2022 AQMP and, as such, would not jeopardize attainment of the CAAQS and NAAQS in the area under the jurisdiction of the SCAQMD.

Furthermore, the proposed Project would be required to comply with CARB's Off-Road Diesel Regulation and SCAQMD Rule 403: Fugitive Dust, which would help reduce particulate matter emissions. The proposed Project would also follow construction best practices to minimize construction emissions consistent with the General Plan policies from the Air Quality Element and actions from CERP. Therefore, the proposed Project would not conflict with applicable air quality plans.

[59] Southern California Association of Governments (SCAG). 2020. *Connect SoCal 2020–2045 Regional Transportation Plan/Sustainable Communities Strategy.* Website: https://scag.ca.gov/sites/main/files/file-attachments/0903fconnectsocal-plan_0.pdf?1606001176 (accessed March 2023).

Based on the consistency analysis presented above, the proposed Project would be consistent with the regional AQMP, the General Plan, and CERP.

Criteria Pollutant Analysis

The Basin is designated as non-attainment for O_3 and $PM_{2.5}$ for federal standards and non-attainment for O_3, PM_{10}, and $PM_{2.5}$ for State standards. The SCAQMD's nonattainment status is attributed to the region's development history. Past, present, and future development Projects contribute to the region's adverse air quality impacts on a cumulative basis. By its very nature, air pollution is largely a cumulative impact. No single Project is sufficient in size to, by itself, result in nonattainment of AAQS. Instead, a Project's individual emissions contribute to existing cumulatively significant adverse air quality impacts. If a Project's contribution to the cumulative impact is considerable, then the Project's impact on air quality would be considered significant.

In developing thresholds of significance for air pollutants, the SCAQMD considered the emission levels for which a Project's individual emissions would be cumulatively considerable. If a Project exceeds the identified significance thresholds, its emissions would be cumulatively considerable, resulting in significant adverse air quality impacts to the region's existing air quality conditions. Therefore, additional analysis to assess cumulative impacts is unnecessary. The following analysis assesses the potential Project-level construction- and operation-related air quality impacts.

Construction Emissions

During construction, short-term degradation of air quality may occur due to the release of particulate emissions generated by grading, paving, building, and other activities. Emissions from construction equipment are also anticipated and would include CO, NO_x, ROG, directly emitted particulate matter ($PM_{2.5}$ and PM_{10}), and TACs such as diesel exhaust particulate matter.

Project construction activities would include site preparation, grading, paving, and architectural coating activities. Construction-related effects on air quality from the proposed Project would be greatest during the site preparation phase due to the disturbance of soils. If not properly controlled, these activities would temporarily generate particulate emissions. Sources of fugitive dust would include disturbed soils at the construction site. Unless properly controlled, vehicles leaving the site would deposit dirt and mud on local streets, which could be an additional source of airborne dust after it dries. PM_{10} emissions would vary from day to day, depending on the nature and magnitude of construction activity and local weather conditions. PM_{10} emissions would depend on soil moisture, silt content of soil, wind speed, and the amount of operating equipment. Larger dust particles would settle near the source, while fine particles would be dispersed over greater distances from the construction site.

Water or other soil stabilizers can be used to control dust, resulting in emission reductions of 50 percent or more. The SCAQMD has established Rule 403: Fugitive Dust, which would require the applicant to implement measures that would reduce the amount of particulate matter generated during the construction period.

In addition to dust related PM_{10} emissions, heavy trucks and construction equipment powered by gasoline and diesel engines would generate CO, SO_2, NO_x, VOCs and some soot particulate ($PM_{2.5}$

and PM_{10}) in exhaust emissions. If construction activities were to increase traffic congestion in the area, CO and other emissions from traffic would increase slightly while those vehicles idle in traffic. These emissions would be temporary in nature and limited to the immediate area surrounding the construction site.

Construction emissions were estimated for the Project using CalEEMod. Table K lists the tentative Project construction schedule based on an 8-month construction duration. Table L lists the potential construction equipment to be used during Project construction under each phase of construction. Construction-related emissions are presented in Table M. CalEEMod output sheets are included in Appendix A.

Table K: Tentative Project Construction Schedule

Phase Number	Phase Name	Phase Start Date	Phase End Date	Number of Days/Week	Number of Days
1	Site Preparation	4/7/2025	6/6/2025	5	45
2	Grading	6/9/2025	9/12/2025	5	70
3	Paving	9/14/2025	10/23/2025	5	30
4	Architectural Coating	10/26/2025	12/4/2025	5	30

Source: Compiled by LSA assuming construction would begin in the second quarter of 2025 and would occur for approximately 8 months (January 2024).

Table L: Diesel Construction Equipment Utilized by Construction Phase

Construction Phase	Off-Road Equipment Type	Off-Road Equipment Unit Amount	Hours Used per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	3	8	367	0.4
	Tractors/Loaders/Backhoes	4	8	84	0.37
Grading	Excavators	2	8	36	0.38
	Graders	1	8	148	0.41
	Rubber Tired Dozers	1	8	367	0.4
	Scarpers	2	8	423	0.48
	Tractors/Loaders/Backhoes	2	8	84	0.37
Paving	Pavers	2	8	81	0.42
	Paving Equipment	2	8	89	0.36
	Rollers	2	8	36	0.38
Architectural Coating	Air Compressors	1	6	37	0.48

Source: Compiled by LSA using CalEEMod defaults (January 2024).
CalEEMod = California Emissions Estimator Model

Table M: Project Construction Emissions

Project Construction	Maximum Pollutant Emissions (lbs/day)					
	VOCs	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Site Preparation	1.0	24.7	29.7	<0.1	9.0	4.9
Grading	1.3	31.0	36.9	0.1	5.2	2.6
Paving	2.0	8.7	11.6	<0.1	0.6	0.4
Architectural Coating	7.6	1.1	1.0	<0.1	0.1	0.1
Maximum (lbs/day)	**7.6**	**31.0**	**36.9**	**0.1**	**9.0**	**4.9**
SCAQMD Thresholds	75.0	100.0	550.0	150.0	150.0	55.0
Exceeds?	**No**	**No**	**No**	**No**	**No**	**No**

Source: Compiled by LSA (January 2024).
Note: Some values may not appear to add correctly due to rounding.
CO = carbon monoxide
lbs/day = pounds per day
NO_X = nitrogen oxides
$PM_{2.5}$ = particulate matter less than 2.5 microns in size
PM_{10} = particulate matter less than 10 microns in size
SCAQMD = South Coast Air Quality Management District
SO_X = sulfur oxides
VOCs = volatile organic compounds

As shown in Table M, construction emissions associated with the Project would not exceed the SCAQMD thresholds for ROGs, NO_x, CO, sulfur oxides (SO_X), $PM_{2.5}$, or PM_{10} emissions. In addition to the construction period thresholds of significance, the Project is required to comply with regional rules that assist in reducing short-term air pollutant emissions. SCAQMD Rule 403 requires that fugitive dust be controlled with best available control measures so that the presence of such dust does not remain visible in the atmosphere beyond the property line of the emission source. In addition, SCAQMD Rule 403 requires implementation of dust suppression techniques to prevent fugitive dust from creating a nuisance off site. Even though the Project's construction would not exceed any of the emissions thresholds as noted in Table M, compliance with Rule 403 dust suppression techniques can further reduce the fugitive dust generation (and thus, the PM_{10} component). With compliance with Rule 403, construction of the proposed Project would not result in emissions that would result in a cumulatively considerable net increase of any criteria pollutant for which the Project is nonattainment under an applicable federal or State ambient air quality standard.

Operational Air Quality Impacts

Long-term air pollutant emission impacts are those typically associated with mobile sources (e.g., vehicle and truck trips), energy sources (e.g., natural gas), area sources (e.g., architectural coatings and the use of landscape maintenance equipment), and operational equipment (off-Road equipment) related to the proposed Project.

PM_{10} emissions result from running exhaust, tire and brake wear, and the entrainment of dust into the atmosphere from vehicles traveling on paved roadways. Entrainment of PM_{10} occurs when vehicle tires pulverize small rocks and pavement and the vehicle wakes generate airborne dust. The contribution of tire and brake wear is small compared to the other PM emission processes. Gasoline-powered engines have small rates of PM emissions compared with diesel-powered vehicles.

Energy source emissions result from activities in buildings for which natural gas is used. The quantity of emissions is the product of usage intensity (i.e., the amount of natural gas) and the emission factor of the fuel source. Greater building or appliance efficiency reduces the amount of energy for a given activity and thus lowers the resultant emissions. As mentioned above, the proposed Project would construct a trailer parking lot consisting of 393 trailer stalls. The proposed Project would include installation of a prefabricated guard booth and restroom for use by truck drivers and Project employees; however, any energy source emissions associated with the guard booth and restroom are expected to be minimal.

Typically, area source emissions consist of direct sources of air emissions located at the Project site, including architectural coatings and the use of landscape maintenance equipment. The proposed Project would also include off-road operational equipment consisting of one yard goat and two small forklifts; however, on-site equipment would be zero-emission and all-electric.

Long-term operation emissions associated with the proposed Project were calculated using CalEEMod. Model results are shown in Table N below. CalEEMod output sheets are included in Appendix A.

Table N: Project Operational Emissions

Emission Type	Pollutant Emissions (lbs/day)					
	VOCs	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Mobile Sources	1.4	51.7	27.6	0.2	6.8	2.1
Area Sources	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Energy Sources	0.0	0.0	0.0	0.0	0.0	0.0
Off-Road Sources	0.0	0.0	0.0	0.0	0.0	0.0
Total Project Emissions	**1.5**	**51.7**	**27.6**	**0.2**	**6.8**	**2.1**
SCAQMD Thresholds	**55.0**	**55.0**	**550.0**	**150.0**	**150.0**	**55.0**
Significant?	**No**	**No**	**No**	**No**	**No**	**No**

Source: Compiled by LSA (January 2024).
Note = Some values may not appear to add correctly due to rounding.
CO = carbon monoxide
lbs/day = pounds per day
NO_X = nitrogen oxides
$PM_{2.5}$ = particulate matter less than 2.5 microns in size
PM_{10} = particulate matter less than 10 microns in size
SCAQMD = South Coast Air Quality Management District
SO_X = sulfur oxides
VOCs = volatile organic compounds

The results shown in Table N indicate the Project would not exceed the significance criteria for VOCs, NO_x, CO, SO_x, PM_{10}, or $PM_{2.5}$ emissions; thus, the proposed Project would not have a significant effect on regional air quality. Therefore, operation of the Project would not result in a cumulatively considerable net increase of any criteria pollutant for which the Project is nonattainment under an applicable federal or State ambient air quality standard.

Long-Term Microscale (CO Hot Spot) Analysis

Vehicular trips associated with the proposed Project would contribute to congestion at intersections and along roadway segments in the Project vicinity. Localized air quality impacts would occur when emissions from vehicular traffic increase as a result of the proposed Project. The primary mobile-source pollutant of local concern is CO, a direct function of vehicle idling time and, thus, of traffic

flow conditions. CO transport is extremely limited; under normal meteorological conditions, CO disperses rapidly with distance from the source. However, under certain extreme meteorological conditions, CO concentrations near a congested roadway or intersection may reach unhealthful levels, affecting local sensitive receptors (e.g., residents, schoolchildren, the elderly, and hospital patients). Typically, high CO concentrations are associated with roadways or intersections operating at unacceptable levels of service or with extremely high traffic volumes. In areas with high ambient background CO concentrations, modeling is recommended to determine a Project's effect on local CO levels.

An assessment of Project-related impacts on localized ambient air quality requires that future ambient air quality levels be Projected. Existing CO concentrations in the immediate Project vicinity are not available. Ambient CO levels monitored at the POLA San Pedro Community station, the closest station to the Project site, showed a highest recorded 1-hour concentration of 6.9 ppm (the State standard is 20 ppm) and a highest 8-hour concentration of 2.2 ppm (the State standard is 9 ppm) during the past 3 years (Table G). The highest CO concentrations would normally occur during peak traffic hours; hence, CO impacts calculated under peak traffic conditions represent a worst-case analysis.

As described in the VMT Screening Memo[60], the proposed Project would generate 225 AM peak hour trips and 100 PM peak-hour trips. Given the extremely low level of CO concentrations in the Project area, and lack of traffic impacts at any intersections, Project-related vehicles are not expected to contribute significantly to result in the CO concentrations exceeding the State or federal CO standards.

Health Risk on Nearby Sensitive Receptors

Sensitive receptors are defined as people that have an increased sensitivity to air pollution or environmental contaminants. Sensitive receptor locations include schools, parks and playgrounds, daycare centers, nursing homes, hospitals, and residential dwelling units. The closest sensitive receptors to the Project site are single-family homes located southwest of the Project site at approximately 1,366 feet from the western Project site boundary line to the residences. The closest worker receptor to the project site is the Ports of America insurance company located immediately west at a distance of approximately 25 feet.

The following section describes the potential impacts on sensitive receptors from construction and operation of the proposed Project. Health risk impacts associated with Project construction and operation are evaluated separately to correctly estimate the risk for each type of receptor (i.e., sensitive vs. worker locations, since sensitive receptors start at the third trimester and workers start at age 16.) The risk is calculated starting at the third trimester going to 30.25 years, which is broken down into three bins: third trimester to under 2 years; 2 years to under 16 years; and 16 years to 30 years. This is consistent with OEHHA's standard method of calculating a 30-year risk (i.e., the sum of all three bins).

60 EPD Solutions, Inc. 2023. *John S. Gibson Trailer Lot Project Vehicles Miles Traveled (VMT) Screening Memo.* May 26.

The HRA analysis and results are presented below; data outputs are included in Appendix B.

Construction Health Risk

A construction HRA, which evaluates construction-period health risk to off-site receptors, was performed for the proposed Project. Table O, below, identifies the results of the analysis assuming the use of Tier 3 construction equipment as proposed by the Project. Model snapshots of the sources are shown in Appendix B.

Table O: Health Risks from Project Construction to Off-Site Receptors

Location	Carcinogenic Inhalation Health Risk in One Million	Chronic Inhalation Hazard Index	Acute Inhalation Hazard Index
Residential Receptor Risk	0.13	<0.001	0.000
Worker Receptor Risk	0.06	0.004	0.000
SCAQMD Significance Threshold	**10.0 in one million**	**1.0**	**1.0**
Significant?	**No**	**No**	**No**

Source: LSA (June 2024).
SCAQMD = South Coast Air Quality Management District

As shown in Table O, the maximum cancer risk for the residential MEI would be 0.13 in one million, which would not exceed the SCAQMD cancer risk threshold of 10 in one million. The worker receptor risk would be lower at 0.06 in one million, which would also not exceed the SCAQMD cancer risk thresholds. The total chronic hazard index would be 0.004 for the worker receptor MEI and less than 0.001 for the residential receptor MEI, which is below the threshold of 1.0. In addition, the total acute hazard index would be nominal (0.000), which would also not exceed the threshold of 1.0. Therefore, construction of the proposed Project would not exceed SCAQMD thresholds and would not expose nearby sensitive receptors to substantial pollutant concentrations. No significant health risk would occur from Project construction emissions.

Operational Health Risk

To determine the potential health risk to people living near the proposed Project associated with the exhaust of diesel-powered trucks and equipment, an operational HRA was conducted for the proposed Project. The carcinogenic and chronic health risks from the proposed Project are shown in Table P. The residential risk incorporates both the risk for a child living in a nearby residence for 9 years (the standard period of time for child risk) and an adult living in a nearby residence for 30 years (considered a conservative period of time for an individual to live in any one residence). As indicated above, the closest sensitive receptors to the Project site are single-family homes located approximately 1,366 feet southwest of the Project site. However, as shown in the risk contours included in Appendix B, the residential MEI is a single-family home located south of the project site along I-110. The closest worker receptor and the worker MEI is the Ports of America insurance company located immediately west of the project site, at a distance of approximately 25 feet. The HRA model snapshots, outputs, and risk contours are included in Appendix B.

Table P: Health Risks from Project Operation to Off-Site Receptors

Location	Carcinogenic Inhalation Health Risk in One Million	Chronic Inhalation Hazard Index	Acute Inhalation Hazard Index
Residential Receptor Risk	7.84	0.003	<0.001
Worker Receptor Risk	5.08	0.002	<0.001
SCAQMD Significance Threshold	**10.0 in one million**	**1.0**	**1.0**
Significant?	**No**	**No**	**No**

Source: LSA (January 2024).
SCAQMD = South Coast Air Quality Management District

As shown in Table P, the maximum cancer risk for the residential MEI would be 7.84 in one million and the cancer risk for the worker MEI would be 5.08 in one million, which are less than the threshold of 10 in one million. The chronic hazard index would be 0.003 for the residential receptor MEI and 0.002 for the worker receptor MEI, which are below the threshold of 1.0. In addition. The acute hazard index would be less than 0.001, which would also not exceed the threshold of 1.0. As these results show, all health risk levels to nearby sensitive receptors from operation-related emissions of TACs would be well below the SCAQMD's HRA thresholds. No significant health risk would occur from Project operation emissions.

Population-Wide Risks (Cancer Burden)

If incremental individual cancer risk from the proposed Project would exceed the SCAQMD regulatory threshold of an incremental increase of 1 in one million, then an estimated determination of population level risks is required. For the cancer burden analysis, the proposed Project risk is evaluated for a 30-year residential scenario. Cancer risk was estimated at the geographical center (centroid) of census tracts that are within the study area of the HRA and multiplied by the corresponding population number. A cancer burden greater than 0.5 is considered a significant cancer burden. As presented in Table Q, the cancer burden is estimated to be 0.025 individuals that were estimated to have a cancer risk of 1 in a million or more. Therefore, the proposed Project would not exceed the SCAQMD's cancer burden significance threshold.

Table Q: Project Cancer Burden

Scenario	Cancer Burden
Total Excess Cancer Burden	0.025
SCAQMD Significance Threshold	**0.5**
Significant?	**No**

Source: LSA (July 2024).
SCAQMD = South Coast Air Quality Management District

Localized Significance Analysis

Project construction and operation emissions were compared to the LST screening tables in SRA 4, based on a 416-meter source-receptor distance and a disturbed acreage of 3.5 acres for construction and 5.0 acres for operation.

Table R indicates the on-site construction emissions would not exceed the LSTs for the nearby residences. Therefore, construction of the proposed Project would not result in a locally significant air quality impact.

Table R: Project Localized Construction Emissions (lbs/day)

Source	NO_x	CO	PM_{10}	$PM_{2.5}$
On-Site Project Emissions	30.3	35.3	8.6	4.8
Localized Significance Threshold	153.0	7,630.0	152.0	89.0
Exceeds Threshold?	**No**	**No**	**No**	**No**

Source: Compiled by LSA (January 2024).
Note: Source Receptor Area 4, based on a 3.5-acre construction disturbance daily area, at a distance of 416 meters from the Project boundary.
CO= carbon monoxide
lbs/day = pounds per day
NO_x= nitrogen oxides
$PM_{2.5}$= particulate matter less than 2.5 microns in size
PM_{10}= particulate matter less than 10 microns in size

By design, the localized impacts analysis only includes on-site sources; however, the CalEEMod outputs do not separate on-site and off-site emissions for mobile sources. For a worst-case scenario assessment, the emissions detailed in Table S assume all area and energy source emissions would occur on site, and 5 percent of the Project-related new mobile sources, which is an estimate of the amount of Project-related on-site vehicle and truck travel, would occur on site. Considering the total trip length included in CalEEMod and that the majority of vehicle and truck travel would occur off-site, resulting in emissions that would also be released off-site, the 5 percent assumption is conservative. Table S indicates the localized operational emissions would not exceed the LSTs at nearby residences. Therefore, the proposed operational activity would not result in a locally significant air quality impact.

Table S: Project Localized Operational Emissions (lbs/day)

Source	NO_x	CO	PM_{10}	$PM_{2.5}$
On-Site Project Emissions	2.6	1.4	0.3	0.1
Localized Significance Threshold	168.0	8,514.0	39.0	24.0
Exceeds Threshold?	**No**	**No**	**No**	**No**

Source: Compiled by LSA (January 2024)
Note: Source Receptor Area 4, based on a 5.0-acre construction disturbance daily area, at a distance of 416 meters from the Project boundary.
CO= carbon monoxide
lbs/day = pounds per day
NO_x= nitrogen oxides
$PM_{2.5}$= particulate matter less than 2.5 microns in size
PM_{10}= particulate matter less than 10 microns in size

The results of the LST analysis, summarized in Tables R and S, indicate that the Project would not result in an exceedance of the SCAQMD LSTs during Project construction or operation.

Odors

During Project construction, some odors may be present due to diesel exhaust. However, these odors would be temporary and limited to the construction period. The proposed Project would not

include any activities or operations that would generate objectionable odors and once operational, the Project would not be a source of odors. Therefore, the proposed Project would not result in other emissions (such as those leading to odors) affecting a substantial number of people.

ENERGY IMPACTS

The following describes the potential impacts regarding energy resources that could result from implementation of the proposed Project.

Energy Consumption

The proposed Project would increase the demand for energy through day-to-day operations and fuel consumption associated with Project construction. This section discusses energy use resulting from implementation of the proposed Project and evaluates whether the proposed Project would result in the wasteful, inefficient, or unnecessary consumption of energy resources or conflict with any applicable plans for renewable energy and energy efficiency.

Construction Energy Use

Construction of the proposed Project would occur for approximately 8-months. The Project would require energy for activities such as the manufacture and transportation of construction materials, grading activities, and building construction. Construction of the proposed Project would require electricity to power construction-related equipment. Construction of the proposed Project would not involve the consumption of natural gas. The construction-related equipment would not be powered by natural gas, and no natural gas demand is anticipated during construction.

Transportation energy represents the largest energy use during construction and would occur from the transport and use of construction equipment, delivery vehicles and haul trucks, and construction worker vehicles that would use petroleum fuels (e.g., diesel fuel and/or gasoline). Therefore, the analysis of energy use during construction focuses on fuel consumption. Construction trucks and vendor trucks hauling materials to and from the Project site would be anticipated to use diesel fuel, whereas construction workers traveling to and from the Project site would be anticipated to use gasoline-powered vehicles. Fuel consumption from transportation uses depends on the type and number of trips, VMT, the fuel efficiency of the vehicles, and the travel mode.

Estimates of fuel consumption (diesel fuel and gasoline) from construction equipment, construction trucks, and construction worker vehicles were based on default construction equipment assumptions and trip estimates from CalEEMod and fuel efficiencies from EMFAC2021. Fuel consumption estimates are presented in Table T. CalEEMod output sheets are included in Appendix A, and detailed energy calculations are included in Appendix C.

Table T: Proposed Project Energy Consumption Estimates during Construction

Energy Type	Total Energy Consumption	Percentage of Increase Countywide
Diesel Fuel (total gallons)	37,841.6	0.01
Gasoline (total gallons)	3,561.6	<0.01

Source: Compiled by LSA (January 2024).

As indicated in Table T, the Project would consume approximately 37,841.6 gallons of diesel fuel and approximately 3,561.6 gallons of gasoline during construction. Based on fuel consumption obtained from EMFAC2021, approximately 3,921.8 million gallons of gasoline and approximately 608.6 million gallons of diesel were consumed from vehicle trips in Los Angeles County in 2023. Therefore, construction of the proposed Project would increase the annual construction generated fuel use in Los Angeles County by approximately 0.01 percent for diesel fuel usage and by approximately less than 0.01 percent for gasoline fuel usage. As such, Project construction would have a negligible effect on local and regional energy supplies. Furthermore, impacts related to energy use during construction would be temporary and relatively small in comparison to Los Angeles County's overall use of the State's available energy resources. No unusual Project characteristics would necessitate the use of construction equipment that would be less energy efficient than at comparable construction sites in the region or the State. In addition, construction activities are not anticipated to result in an inefficient use of energy as gasoline and diesel fuel would be supplied by construction contractors who would conserve the use of their supplies to minimize their costs on the Project. The Project would not cause or result in the need for additional energy facilities or an additional or expanded delivery system. For these reasons, fuel consumption during construction would not be inefficient, wasteful, or unnecessary.

Operational Energy Use

Operational energy use is typically associated with electricity, and fuel used for vehicle trips associated with a Project. Energy consumption was estimated for the proposed Project using default energy intensities by land use type in CalEEMod. As discussed in the Project Location and Description section, the proposed Project would include the construction of a trailer parking lot, consisting of 393 trailer stalls and associated site improvements. The proposed Project would also include installation of a prefabricated guard booth and restroom for use by truck drivers and Project employees; however, energy consumption associated with the guard booth and restroom is expected to be minimal. In addition, onsite equipment needed for the parking of truck trailers would include one yard goat and two small forklifts. Onsite equipment would be zero-emission and all-electric; therefore, energy consumption associated with the operational equipment is included in the overall annual estimate for electricity consumption. Therefore, this analysis focuses on the trailer parking lot and associated truck trips.

The proposed Project would also result in energy usage associated with gasoline and diesel fuel consumed by Project-related vehicle and truck trips. Fuel use associated with vehicle and truck trips generated by the proposed Project was calculated based on the Project's VMT Screening Memo[61],

[61] EPD Solutions, Inc. 2023. *John S. Gibson Trailer Lot Project Vehicles Miles Traveled (VMT) Screening Memo.* May 26.

which identifies that the proposed Project would generate approximately 1,808 average daily trips, including 1,794 one-way truck trips, 4 one-way delivery/vendor trips, and 10 passenger vehicle trips. The amount of operational fuel use was estimated using CARB's EMFAC2021 model, which provided projections for typical daily fuel usage in Los Angeles County.

Electricity and fuel usage estimates associated with the proposed Project are shown in Table U.

Table U: Proposed Project Energy Consumption Estimates during Operation

Energy Type	Annual Energy Consumption
Electricity Consumption (kWh/year)	711,085.0
Gasoline (gallons/year)	721.6
Diesel Fuel (gallons/year)	407,596.2

Source: Compiled by LSA (January 2024).
kWh = kilowatt-hours

As shown in Table U, the estimated electricity demand associated with the operation of the proposed Project is 711,085.0 kWh per year. Total electricity consumption in Los Angeles County in 2021 was 65,374.7 GWh (65,374,721,369 kWh). Therefore, operation of the proposed Project would increase the annual electricity consumption in Los Angeles County by approximately less than 0.01 percent.

Electrical demand associated with Project operations would not be considered inefficient, wasteful, or unnecessary in comparison to other similar developments in the region. Furthermore, the proposed Project would not conflict with or obstruct a State or local plan for renewable energy or energy efficiency. The Project would be required to adhere to all federal, State, and local requirements for energy efficiency, including the Title 24 standards.

As shown in Table U, fuel use associated with the vehicle trips generated by the proposed Project is estimated at 721.6 gallons of gasoline and 407,596.2 gallons of diesel fuel per year. This analysis conservatively assumes that all vehicle trips generated as a result of Project operation would be new to Los Angeles County. Based on fuel consumption obtained from EMFAC2021, approximately 3,921.8 million gallons of gasoline and approximately 608.6 million gallons of diesel were consumed from vehicle trips in Los Angeles County in 2023. Therefore, vehicle and truck trips associated with the proposed Project would increase the annual fuel use in Los Angeles County by approximately less than 0.01 percent for gasoline fuel usage and approximately 0.07 percent for diesel fuel usage. Fuel consumption associated with vehicle trips generated by Project operations would not be considered inefficient, wasteful, or unnecessary in comparison to other similar developments in the region.

Conflict with Renewable Energy or Energy Efficiency Plans

In 2002, the Legislature passed SB 1389, which required the CEC to develop an integrated energy plan every two years for electricity, natural gas, and transportation fuels for the Integrated Energy Policy Report. The plan calls for the State to assist in the transformation of the transportation system to improve air quality, reduce congestion, and increase the efficient use of fuel supplies with

the least environmental and energy costs. To further this policy, the plan identifies a number of strategies, including assistance to public agencies and fleet operators in implementing incentive programs for ZEVs and their infrastructure needs, and encouragement of urban designs that reduce VMT and accommodate pedestrian and bicycle access.

The CEC's *2023 Integrated Energy Policy Report* provide the results of the CEC's assessments of a variety of energy issues facing California. As indicated above, energy usage on the Project site during construction would be temporary in nature and would be relatively small in comparison to the overall use in the County. In addition, energy usage associated with operation of the proposed Project would be relatively small in comparison to the overall use in Los Angeles County, and the State's available energy resources. Therefore, energy impacts at the regional level would be negligible. Because California's energy conservation planning actions are conducted at a regional level, and because the proposed Project's total impact on regional energy supplies would be minor, the proposed Project would not conflict with or obstruct California's energy conservation plans as described in the CEC's Integrated Energy Policy Report. Additionally, as demonstrated above, the proposed Project would not result in the inefficient, wasteful, and unnecessary consumption of energy.

GREENHOUSE GAS IMPACTS

This section describes the potential GHG impacts associated with implementation the proposed Project.

Generation of Greenhouse Gas Emissions

This section describes the proposed Project's construction- and operational-related GHG emissions and contribution to global climate change. Neither the SCAQMD nor SCAQMD has addressed emission thresholds for construction; however, the SCAQMD requires quantification and disclosure. Thus, an evaluation of the Project's impacts related to the release of GHG emissions for both construction and operational phases of the Project is described below.

Short-Term Greenhouse Gas Emissions

Construction activities associated with the proposed Project would produce combustion emissions from various sources. During construction, GHGs would be emitted through the operation of construction equipment and from worker and builder supply vendor vehicles, each of which typically use fossil-based fuels to operate. The combustion of fossil-based fuels creates GHGs such as CO_2, CH_4, and N_2O. Furthermore, CH_4 is emitted during the fueling of heavy equipment. Exhaust emissions from on-site construction activities would vary daily as construction activity levels change.

As indicated above, the SCAQMD does not have an adopted threshold of significance for construction-related GHG emissions. However, lead agencies are required to quantify and disclose GHG emissions that would occur during construction. As described above, for the purpose of this analysis, the proposed Project will be compared to the GHG threshold of 10,000 MT/year CO_2e. The SCAQMD then requires the construction GHG emissions to be amortized over the life of the Project, defined by the SCAQMD as 30 years, added to the operational emissions, and compared to the applicable interim GHG significance threshold tier.

Using CalEEMod, it is estimated that the Project would generate approximately 383.4 MT CO_2e during construction of the Project. When annualized over the 30-year life of the Project, annual emissions would be 12.8 MT CO_2e.

Long-Term Greenhouse Gas Emissions

Long-term GHG emissions are typically generated from mobile sources (e.g., vehicle and truck trips), area sources (e.g., maintenance activities and landscaping), indirect emissions from sources associated with energy consumption, waste sources (land filling and waste disposal), and water sources (water supply and conveyance, treatment, and distribution). Mobile-source GHG emissions would include Project-generated vehicle trips to and from the Project. Area-source emissions would be associated with activities such as landscaping and maintenance on the Project site. Energy source emissions would be generated at off-site utility providers because of increased electricity demand generated by the Project. Waste source emissions generated by the proposed Project include energy generated by land filling and other methods of disposal related to transporting and managing Project-generated waste. In addition, water source emissions associated with the proposed Project are generated by water supply and conveyance, water treatment, water distribution, and wastewater treatment.

Following guidance from the SCAQMD, GHG emissions were estimated for the operational year of 2025 using CalEEMod. Table V shows the calculated GHG emissions for the proposed Project.

Table V: Greenhouse Gas Emissions

Emissions Source	Operational Emissions (MT/yr)				
	CO_2	CH_4	N_2O	CO_2e	Percentage of Total
Mobile Sources	4,363.1	0.4	0.7	4,584.6	92
Area Sources	<0.1	<0.1	<0.1	<0.1	<1
Energy Sources	308.0	<0.1	<0.1	309.5	8
Water Sources	7.4	<0.1	<0.1	7.4	<1
Waste Sources	0.0	0.0	0.0	0.0	0
Off -Road Sources	0.0	0.0	0.0	0.0	0
Total Project Operational Emissions				**4,901.5**	**100**
Amortized Construction Emissions				12.8	-
Total Annual Emissions				**4,914.3**	**-**
Threshold				10,000	-
Exceed?				**No**	**-**

Source: Compiled by LSA (January 2024)
CH_4 = methane
CO_2 = carbon dioxide
CO_2e = carbon dioxide equivalent
MT/yr = metric tons per year
N_2O = nitrous oxide
SCAQMD = South Coast Air Quality Management District

As discussed above, a project would have less than significant GHG emissions if it would result in operational-related GHG emissions of less than 10,000 MT CO_2e/yr. Based on the analysis results, the proposed Project would result in approximately 4,914.3 MT CO_2e/yr, which would be below the SCAQMD Threshold of 10,000 MT CO_2e/yr. Therefore, operation of the proposed Project would not generate significant GHG emissions that would have a significant effect on the environment.

Therefore, the proposed Project would not lead to new or substantially more severe significant impacts associated with operational GHG emissions.

Consistency with Greenhouse Gas Emissions Reduction Plans

An evaluation of the proposed Project's consistency with the City of Los Angeles Sustainability City pLAn, the 2022 Scoping Plan, and the 2020–2045 RTP/SCS is provided below.

City of Los Angeles Sustainable City pLAn

As described above, the POLA has adopted the Sustainable City pLAn[62] of the City of Los Angeles. The pLAn contains goals for the City, especially in areas of local solar, energy efficient buildings, carbon and climate leadership, green jobs, preparedness and resiliency, air quality, and environmental justice. In addition, the pLAn advances the City's environment, economy, and social equity in 14 various categories with short term, near term (2025), and long-term (2035) targets. The following municipal targets from the pLAn would be applicable to the proposed Project:

- Recycle 100 percent of all wastewater for beneficial reuse by 2035.
- Reduce potable water use per capita by 22.5 percent by 2025; and 25 percent by 2035; and maintain or reduce 2035 per capita water use through 2050.
- Reduce VMT per capita by at least 13% by 2025; 39% by 2035; and 45% by 2050.
- Reduce port-related GHG emissions by 80% by 2050.
    - 100 percent zero emission cargo handling equipment
    - 100 percent zero emission on-road drayage trucks
- Reduce industrial emissions by 38% by 2035; and 82% by 2050.
- Increase tree canopy in areas of greatest need by at least 50% by 2028.

The proposed Project would include drought tolerant ornamental landscaping that would cover approximately 38.97 percent of the Project site. The proposed Project would also use a water-efficient automatic irrigation controller and would utilize reclaimed rainwater to irrigate the landscape areas. As such, the proposed project would be on track to achieving the water, wastewater, and canopy municipal targets for the City of Los Angeles. In addition, the proposed Project would not be powered by natural gas, and no natural gas demand is anticipated during construction or operation of the proposed Project. The elimination of natural gas in new development would help Projects implement their "fair share" of achieving long-term 2045 carbon neutrality consistent State goals. The proposed Project would also include all electric on-site equipment consistent with the goal of zero emission cargo handling equipment. As such, the

[62] Los Angeles, City of. 2019. *LA's Green New Deal – Sustainable City pLAn*. Website: https://plan.lamayor.org/sites/default/files/pLAn_2019_final.pdf (accessed June 2023).

proposed Project would be consistent with the goal of zero emission on-road drayage trucks. Therefore, the proposed Project would also be on track with the municipal goal of reducing 80 percent of the POLA GHG-related emissions by 2050. The proposed Project would include a trailer parking lot that would consist of 393 trailer stalls; therefore, the proposed Project would not increase VMT in the area and would be in consistent with the VMT municipal goal for the City. Therefore, the proposed Project would be consistent with the Sustainability City pLAn municipal targets.

2022 Scoping Plan

The following discussion evaluates the proposed Project according to the goals of the 2022 Scoping Plan, EO B-30-15, SB 32, and AB 197.

EO B-30-15 added the immediate target of reducing GHG emissions to 40 percent below 1990 levels by 2030. CARB released a second update to the Scoping Plan, the 2017 Scoping Plan,[63] to reflect the 2030 target set by EO B-30-15 and codified by SB 32. SB 32 affirms the importance of addressing climate change by codifying into statute the GHG emissions reductions target of at least 40 percent below 1990 levels by 2030 contained in EO B-30-15. SB 32 builds on AB 32 and keeps us on the path toward achieving the State's 2050 objective of reducing emissions to 80 percent below 1990 levels. The companion bill to SB 32, AB 197, provides additional direction to the CARB related to the adoption of strategies to reduce GHG emissions. Additional direction in AB 197 intended to provide easier public access to air emissions data that are collected by CARB was posted in December 2016.

In addition, the 2022 Scoping Plan assesses progress toward the statutory 2030 target, while laying out a path to achieving carbon neutrality no later than 2045. The 2022 Scoping Plan focuses on outcomes needed to achieve carbon neutrality by assessing paths for clean technology, energy deployment, natural and working lands, and others, and is designed to meet the State's long-term climate objectives and support a range of economic, environmental, energy security, environmental justice, and public health priorities.

The 2022 Scoping Plan focuses on building clean energy production and distribution infrastructure for a carbon-neutral future, including transitioning existing energy production and transmission infrastructure to produce zero-carbon electricity and hydrogen, and utilizing biogas resulting from wildfire management or landfill and dairy operations, among other substitutes. The 2022 Scoping Plan states that in almost all sectors, electrification will play an important role. The 2022 Scoping Plan evaluates clean energy and technology options and the transition away from fossil fuels, including adding four times the solar and wind capacity by 2045 and about 1,700 times the amount of current hydrogen supply. As discussed in the 2022 Scoping Plan, EO N-79-20 requires that all new passenger vehicles sold in California will be zero-emission by 2035, and all other fleets will have transitioned to zero-emission as fully possible by 2045, which will reduce the percentage of fossil fuel combustion vehicles.

Energy efficient measures are intended to maximize energy efficiency building and appliance standards, pursue additional efficiency efforts including new technologies and new policy and

63 CARB. 2017a. *California's 2017 Climate Change Scoping Plan*. November.

implementation mechanisms, and pursue comparable investment in energy efficiency from all retail providers of electricity in California. In addition, these measures are designed to expand the use of green building practices to reduce the carbon footprint of California's new and existing inventory of buildings. As mentioned above, the proposed Project would not be powered by natural gas, and no natural gas demand is anticipated during construction or operation of the proposed Project. The elimination of natural gas in new development would help Projects implement their "fair share" of achieving long-term 2045 carbon neutrality consistent State goals. As such, if a Project does not utilize natural gas, a lead agency can conclude that it would be consistent with achieving the 2045 neutrality goal and will not have a cumulative considerable impact on climate change.[64] In addition, the proposed Project would comply with the CALGreen Code, regarding energy conservation and green building standards. Therefore, the proposed Project would comply with applicable energy measures.

Water conservation and efficiency measures are intended to continue efficiency programs and use cleaner energy sources to move and treat water. Increasing the efficiency of water transport and reducing water use would reduce GHG emissions. As noted above, the Project would comply with the CALGreen Code, which includes a variety of different measures, including the reduction of wastewater and water use. The proposed Project would also be required to comply with the California Model Water Efficient Landscape Ordinance. In addition, the proposed Project would include drought tolerant ornamental landscaping that would cover approximately 38.97 percent of the Project site. The proposed Project would also use a water-efficient automatic irrigation controller and would utilize reclaimed rainwater to irrigate the landscape area. Therefore, the proposed Project would not conflict with any of the water conservation and efficiency measures.

The goal of transportation and motor vehicle measures is to develop regional GHG emissions reduction targets for passenger vehicles. Specific regional emission targets for transportation emissions would not directly apply to the proposed Project. The second phase of Pavley standards will reduce GHG emissions from new cars by 34 percent from 2016 levels by 2025, resulting in a 3 percent decrease in average vehicle emissions for all vehicles by 2020. Vehicles traveling to the Project site would comply with the Pavley II (LEV III) Advanced Clean Cars Program. Therefore, the proposed Project would not conflict with the identified transportation and motor vehicle measures.

2020-2045 Regional Transportation Plan/Sustainable Communities Strategy

SCAG's Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) identifies that land use strategies that focus on new housing and job growth in areas served by high quality transit and other opportunity areas would be consistent with a land use development pattern that supports and complements the proposed transportation network. The core vision in the 2020–2045 RTP/SCS is to better manage the existing transportation system through design management strategies, integrate land use decisions and technological advancements, create complete streets that are safe to all roadway users, preserve the transportation system, and expand transit and foster

[64] April. Bay Area Air Quality Management District (BAAQMD). 2022. *Justification Report: CEQA Thresholds for Evaluating the Significance of Climate Impacts From Land Use Projects and Plans.* Website: Microsoft Word - FINAL CEQA Thresholds Report for Climate Impacts 03_30_22 revisions with tracked changes (baaqmd.gov) (accessed June 2023).

development in transit oriented communities. The 2020–2045 RTP/SCS contains transportation Projects to help more efficiently distribute population, housing, and employment growth, as well as forecast development that is generally consistent with regional-level general plan data. The forecasted development pattern, when integrated with the financially constrained transportation investments identified in the 2020–2045 RTP/SCS, would reach the regional target of reducing GHG emissions from autos and light-duty trucks by 19 percent by 2035 (compared to 2005 levels). The 2020–2045 RTP/SCS does not require that local General Plans, Specific Plans, or zoning be consistent with the 2020–2045 RTP/SCS, but provides incentives for consistency for governments and developers.

Implementing SCAG's RTP/SCS will greatly reduce the regional GHG emissions from transportation, helping to achieve statewide emissions reduction targets. The proposed Project would not interfere with SCAG's ability to achieve the region's GHG reduction target of 19 percent below 2005 per capita emissions levels by 2035. Furthermore, the proposed Project is not regionally significant per *State CEQA Guidelines* Section 15206 and as such, it would not conflict with the SCAG RTP/SCS targets since those targets were established and are applicable on a regional level.

The proposed Project would include a trailer parking lot that would consist of 393 trailer stalls, it is anticipated that implementation of the proposed Project would not interfere with SCAG's ability to implement the regional strategies outlined in the RTP/SCS.

CONCLUSIONS

Based on the analysis presented above, construction and operation of the proposed Project would not result in the generation of criteria air pollutants that would exceed SCAQMD thresholds of significance. Compliance with SCAQMD Rule 403: Fugitive Dust would further reduce construction dust impacts. The proposed Project is not expected to produce significant emissions that would affect nearby sensitive receptors. The Project would also not result in other emissions (such as those leading to odors) affecting a substantial number of people. GHG emissions released during construction and operation of the Project would not exceed the significance thresholds and thus would not be cumulatively considerable. In addition, the Project would be consistent with the State's GHG emissions reductions objectives embodied in the 2022 Scoping Plan and the 2020–2045 RTP/SCS. In addition, the proposed Project would not result in the wasteful, inefficient, or unnecessary consumption of energy resources or conflict with any applicable plans for renewable energy and energy efficiency.

APPENDIX A

CALEEMOD OUTPUT SHEETS

John S. Gibson Trailer Lot Project Custom Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

3. Construction Emissions Details

3.1. Site Preparation (2025) - Unmitigated

3.3. Grading (2025) - Unmitigated

3.5. Paving (2025) - Unmitigated

3.7. Architectural Coating (2025) - Unmitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	John S. Gibson Trailer Lot Project
Construction Start Date	4/7/2025
Operational Year	2025
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.50
Precipitation (days)	16.0
Location	1599 John S Gibson Blvd, San Pedro, CA 90731, USA
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4609
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas
App Version	2022.1.1.21

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description

Parking Lot	393	Space	18.6	18.6	316,373	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.01	31.0	36.9	0.06	1.26	8.05	8.99	1.13	4.04	4.88	—	7,301	7,301	0.30	0.14	7,349
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	7.58	8.69	11.5	0.01	0.39	0.20	0.59	0.36	0.05	0.40	—	1,708	1,708	0.07	0.02	1,716
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.15	9.80	11.7	0.02	0.40	1.77	2.16	0.36	0.79	1.15	—	2,300	2,300	0.10	0.04	2,316
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.21	1.79	2.14	< 0.005	0.07	0.32	0.39	0.06	0.14	0.21	—	381	381	0.02	0.01	383

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	2.01	31.0	36.9	0.06	1.26	8.05	8.99	1.13	4.04	4.88	—	7,301	7,301	0.30	0.14	7,349
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	7.58	8.69	11.5	0.01	0.39	0.20	0.59	0.36	0.05	0.40	—	1,708	1,708	0.07	0.02	1,716
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.15	9.80	11.7	0.02	0.40	1.77	2.16	0.36	0.79	1.15	—	2,300	2,300	0.10	0.04	2,316
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.21	1.79	2.14	< 0.005	0.07	0.32	0.39	0.06	0.14	0.21	—	381	381	0.02	0.01	383

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.55	49.6	27.0	0.24	0.36	6.41	6.77	0.34	1.73	2.07	0.00	28,447	28,447	2.46	4.23	29,825
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.41	51.7	27.6	0.24	0.36	6.41	6.78	0.35	1.73	2.08	0.00	28,495	28,495	2.46	4.24	29,821
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.49	51.5	27.3	0.24	0.36	6.36	6.72	0.34	1.72	2.06	0.00	28,258	28,258	2.45	4.23	29,605
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.27	9.39	4.98	0.04	0.07	1.16	1.23	0.06	0.31	0.38	0.00	4,678	4,678	0.41	0.70	4,901

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.42	49.6	27.0	0.24	0.36	6.41	6.77	0.34	1.73	2.07	—	26,334	26,334	2.31	4.21	27,702
Area	0.13	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	2,069	2,069	0.15	0.02	2,078
Water	—	—	—	—	—	—	—	—	—	—	0.00	44.5	44.5	< 0.005	< 0.005	44.7
Waste	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	1.55	49.6	27.0	0.24	0.36	6.41	6.77	0.34	1.73	2.07	0.00	28,447	28,447	2.46	4.23	29,825
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.29	51.7	27.6	0.24	0.36	6.41	6.78	0.35	1.73	2.08	—	26,381	26,381	2.31	4.22	27,698
Area	0.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	2,069	2,069	0.15	0.02	2,078
Water	—	—	—	—	—	—	—	—	—	—	0.00	44.5	44.5	< 0.005	< 0.005	44.7
Waste	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	1.41	51.7	27.6	0.24	0.36	6.41	6.78	0.35	1.73	2.08	0.00	28,495	28,495	2.46	4.24	29,821
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.37	51.5	27.3	0.24	0.36	6.36	6.72	0.34	1.72	2.06	—	26,353	26,353	2.31	4.22	27,691
Area	0.13	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,860	1,860	0.13	0.02	1,869
Water	—	—	—	—	—	—	—	—	—	—	0.00	44.5	44.5	< 0.005	< 0.005	44.7

Waste	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	1.49	51.5	27.3	0.24	0.36	6.36	6.72	0.34	1.72	2.06	0.00	28,258	28,258	2.45	4.23	29,605
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.25	9.39	4.98	0.04	0.07	1.16	1.23	0.06	0.31	0.38	—	4,363	4,363	0.38	0.70	4,585
Area	0.02	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	308	308	0.02	< 0.005	309
Water	—	—	—	—	—	—	—	—	—	—	0.00	7.37	7.37	< 0.005	< 0.005	7.41
Waste	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.27	9.39	4.98	0.04	0.07	1.16	1.23	0.06	0.31	0.38	0.00	4,678	4,678	0.41	0.70	4,901

3. Construction Emissions Details

3.1. Site Preparation (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.90	24.0	28.3	0.05	0.94	—	0.94	0.84	—	0.84	—	5,295	5,295	0.21	0.04	5,314
Dust From Material Movement	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	2.96	3.49	0.01	0.12	—	0.12	0.10	—	0.10	—	653	653	0.03	0.01	655
Dust From Material Movement	—	—	—	—	—	0.95	0.95	—	0.49	0.49	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.54	0.64	< 0.005	0.02	—	0.02	0.02	—	0.02	—	108	108	< 0.005	< 0.005	108
Dust From Material Movement	—	—	—	—	—	0.17	0.17	—	0.09	0.09	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	1.22	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	242	242	0.01	0.01	246
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.60	0.20	< 0.005	0.01	0.15	0.16	0.01	0.04	0.05	—	556	556	0.03	0.09	584
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.13	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	28.7	28.7	< 0.005	< 0.005	29.1

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.08	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	68.5	68.5	< 0.005	0.01	71.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.75	4.75	< 0.005	< 0.005	4.81
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.3	11.3	< 0.005	< 0.005	11.9

3.3. Grading (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.18	30.3	35.3	0.06	1.25	—	1.25	1.12	—	1.12	—	6,599	6,599	0.27	0.05	6,622
Dust From Material Movement	—	—	—	—	—	3.59	3.59	—	1.43	1.43	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	5.82	6.78	0.01	0.24	—	0.24	0.22	—	0.22	—	1,266	1,266	0.05	0.01	1,270
Dust From Material Movement	—	—	—	—	—	0.69	0.69	—	0.27	0.27	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	1.06	1.24	< 0.005	0.04	—	0.04	0.04	—	0.04	—	210	210	0.01	< 0.005	210
Dust From Material Movement	—	—	—	—	—	0.13	0.13	—	0.05	0.05	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.09	1.39	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	277	277	0.01	0.01	281
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.52	0.20	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	—	426	426	0.02	0.07	447
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.24	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	51.0	51.0	< 0.005	< 0.005	51.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.11	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	81.6	81.6	< 0.005	0.01	85.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.45	8.45	< 0.005	< 0.005	8.56
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	13.5	13.5	< 0.005	< 0.005	14.2

3.5. Paving (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	8.62	10.6	0.01	0.39	—	0.39	0.36	—	0.36	—	1,511	1,511	0.06	0.01	1,517
Paving	1.63	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	8.62	10.6	0.01	0.39	—	0.39	0.36	—	0.36	—	1,511	1,511	0.06	0.01	1,517
Paving	1.63	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.71	0.87	< 0.005	0.03	—	0.03	0.03	—	0.03	—	124	124	0.01	< 0.005	125
Paving	0.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.13	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	20.6	20.6	< 0.005	< 0.005	20.6
Paving	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	1.04	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	207	207	0.01	0.01	210
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.07	0.88	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	197	197	0.01	0.01	199
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	16.4	16.4	< 0.005	< 0.005	16.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.71	2.71	< 0.005	< 0.005	2.75
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.7. Architectural Coating (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.09	0.96	< 0.005	0.07	—	0.07	0.06	—	0.06	—	134	134	0.01	< 0.005	134
Architectural Coatings	7.53	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.09	0.08	< 0.005	0.01	—	0.01	0.01	—	0.01	—	11.0	11.0	< 0.005	< 0.005	11.0
Architectural Coatings	0.62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.82	1.82	< 0.005	< 0.005	1.82
Architectural Coatings	0.11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	1.42	49.6	27.0	0.24	0.36	6.41	6.77	0.34	1.73	2.07	—	26,334	26,334	2.31	4.21	27,702
Total	1.42	49.6	27.0	0.24	0.36	6.41	6.77	0.34	1.73	2.07	—	26,334	26,334	2.31	4.21	27,702
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	1.29	51.7	27.6	0.24	0.36	6.41	6.78	0.35	1.73	2.08	—	26,381	26,381	2.31	4.22	27,698

Total	1.29	51.7	27.6	0.24	0.36	6.41	6.78	0.35	1.73	2.08	—	26,381	26,381	2.31	4.22	27,698
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	0.25	9.39	4.98	0.04	0.07	1.16	1.23	0.06	0.31	0.38	—	4,363	4,363	0.38	0.70	4,585
Total	0.25	9.39	4.98	0.04	0.07	1.16	1.23	0.06	0.31	0.38	—	4,363	4,363	0.38	0.70	4,585

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	1,345	1,345	0.10	0.01	1,351
undefined	—	—	—	—	—	—	—	—	—	—	—	724	724	0.05	0.01	727
Total	—	—	—	—	—	—	—	—	—	—	—	2,069	2,069	0.15	0.02	2,078
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	1,345	1,345	0.10	0.01	1,351
undefined	—	—	—	—	—	—	—	—	—	—	—	724	724	0.05	0.01	727
Total	—	—	—	—	—	—	—	—	—	—	—	2,069	2,069	0.15	0.02	2,078
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	223	223	0.02	< 0.005	224
undefined	—	—	—	—	—	—	—	—	—	—	—	85.3	85.3	0.01	< 0.005	85.7
Total	—	—	—	—	—	—	—	—	—	—	—	308	308	0.02	< 0.005	309

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural	0.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total	0.13	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total	0.02	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	44.5	44.5	< 0.005	< 0.005	44.7
Total	—	—	—	—	—	—	—	—	—	—	0.00	44.5	44.5	< 0.005	< 0.005	44.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	44.5	44.5	< 0.005	< 0.005	44.7
Total	—	—	—	—	—	—	—	—	—	—	0.00	44.5	44.5	< 0.005	< 0.005	44.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	7.37	7.37	< 0.005	< 0.005	7.41
Total	—	—	—	—	—	—	—	—	—	—	0.00	7.37	7.37	< 0.005	< 0.005	7.41

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	4/7/2025	6/6/2025	5.00	45.0	—
Grading	Grading	6/9/2025	9/12/2025	5.00	70.0	—
Paving	Paving	9/14/2025	10/24/2025	5.00	30.0	—
Architectural Coating	Architectural Coating	10/27/2025	12/5/2025	5.00	30.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Tier 3	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 3	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Tier 3	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Tier 3	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 3	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Tier 3	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 3	2.00	8.00	84.0	0.37
Paving	Pavers	Diesel	Tier 3	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 3	2.00	8.00	89.0	0.36

Paving	Rollers	Diesel	Tier 3	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Tier 3	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	1.40	117	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	6.14	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%
Sweep paved roads once per month	9%	9%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	0.00	0.00	48,704

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	0.00	500	67.5	0.00	—
Grading	3,433	0.00	210	0.00	—
Paving	0.00	0.00	0.00	0.00	18.6

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Parking Lot	18.6	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	690	0.05	0.01

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Parking Lot	1,808	1,808	1,808	659,847	6,931	6,931	6,931	2,529,766

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	0.00	0.00	48,704

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00

Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Parking Lot	711,085	690	0.0489	0.0069	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Parking Lot	0.00	4,437,000

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Parking Lot	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Forklifts	Electric	Average	2.00	8.00	82.0	0.20
Off-Highway Trucks	Electric	Average	1.00	8.00	376	0.38

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type
—	—

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

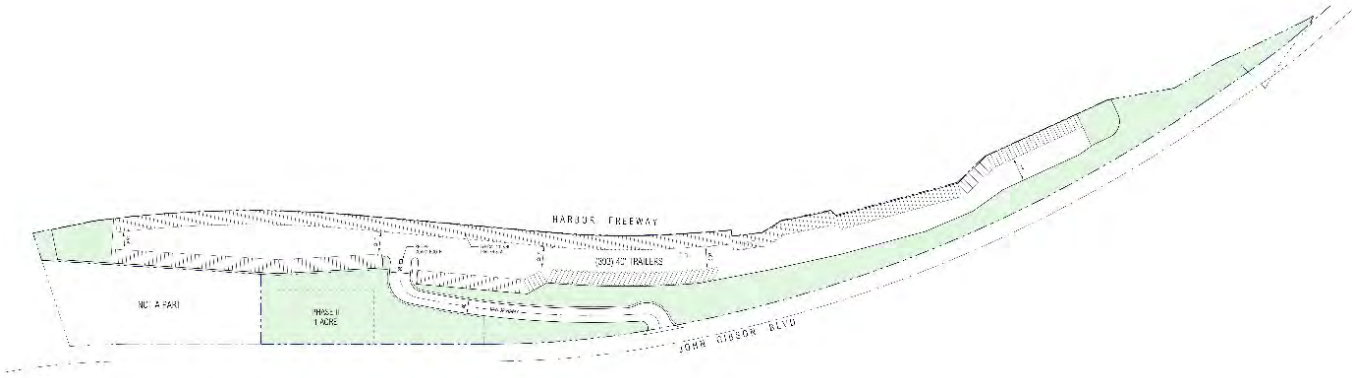
8. User Changes to Default Data

Screen	Justification
Land Use	Total project site is 18.635 acres. The proposed project would develop a trailer parking lot with a total of 393 trailer stalls, proposed project would also include 316,373 sq ft of landscaping
Construction: Construction Phases	Construction is assumed to start in the second quarter of 2025 and would occur for 8 months
Construction: Off-Road Equipment	Default construction equipment with Tier 3 engines
Operations: Off-Road Equipment	Project would utilize two small forklifts and a yard goat (off-highway truck). Equipment would be zero-emission and all-electric
Operations: Vehicle Data	Based on 1,808 average daily trip, including 1,794
Operations: Fleet Mix	Fleet mix adjust to match trip generation, assuming that all truck trips will be HHDT
Construction: Trips and VMT	The Phase II Consultant identified a few potential sites for disposal of the exported soil: Chiquita Canyon Landfill (68 miles), Simi Valley Landfill (65 miles), Soil Safe Adelanto (117 miles). Assuming the Soil Safe Adelanto site to be conservative.

APPENDIX B

HRA MODEL SNAPSHOTS AND OUTPUTS

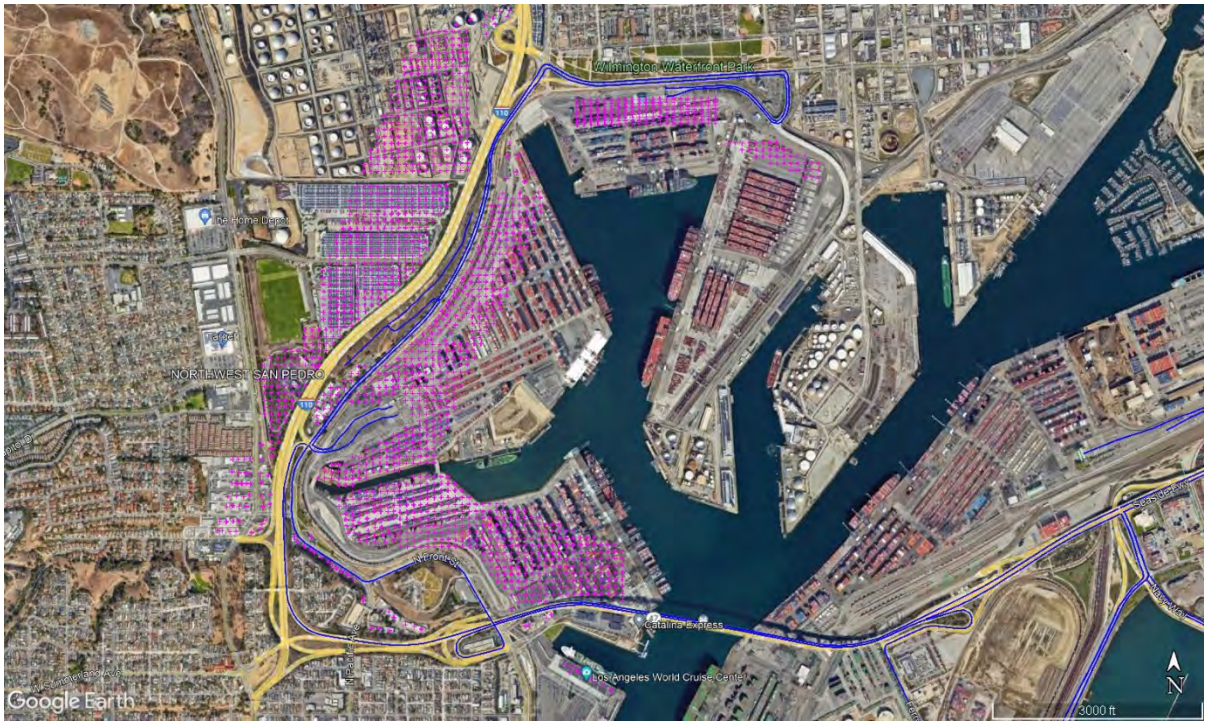
Project Location



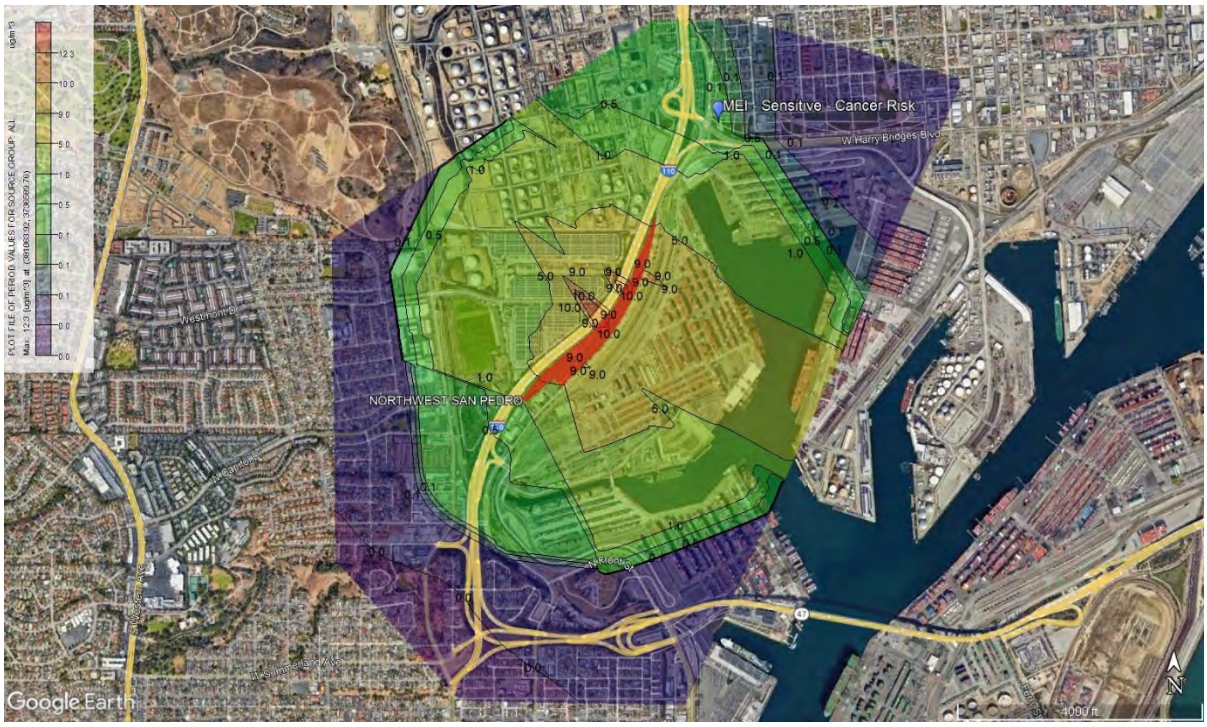
Project Area

Project Sources and Residential Receptors

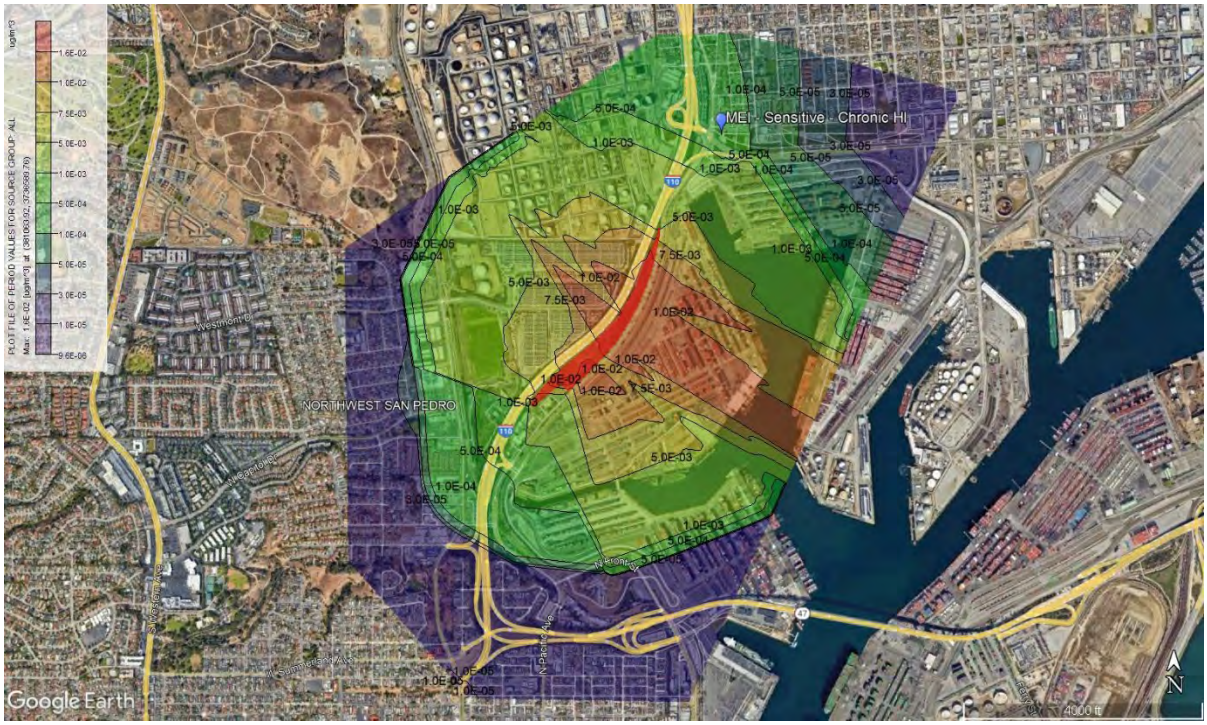
Project Sources and Worker Receptors



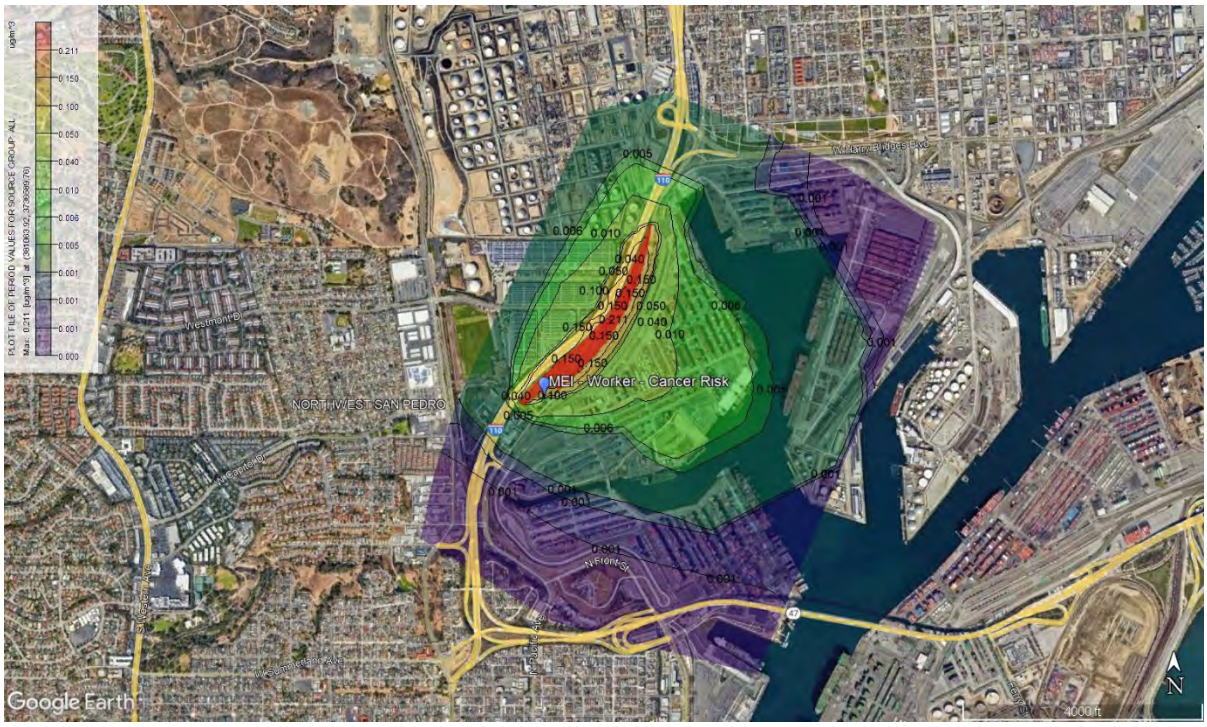
Construction Cancer Risk – Residential Receptors



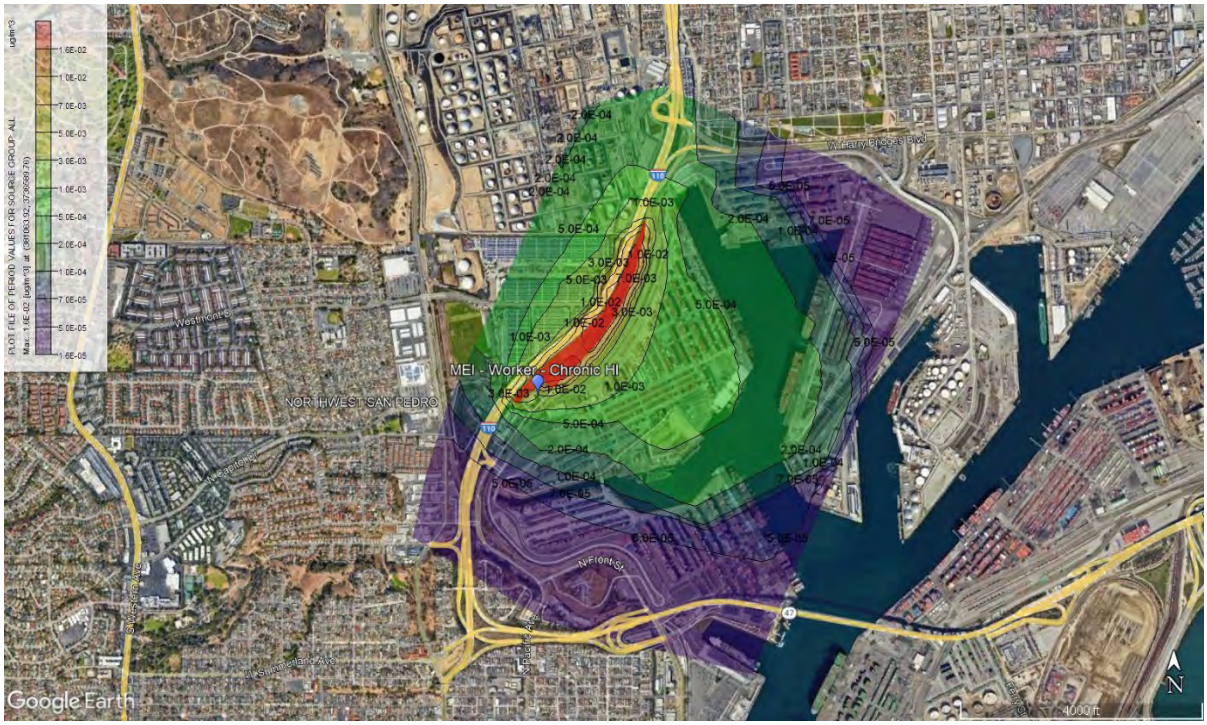
Construction Chronic Hazard Index – Residential Receptors



Construction Cancer Risk – Worker Receptors



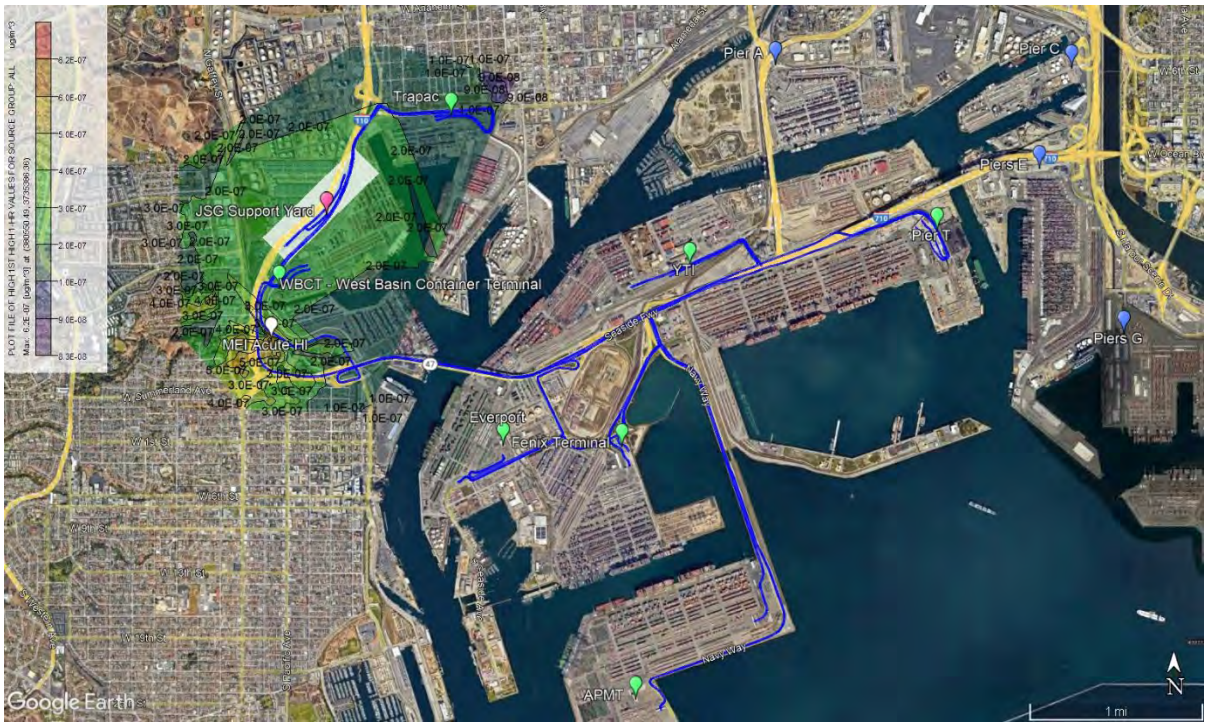
Construction Chronic Hazard Index – Worker Receptors



Operational Cancer Risk – Residential Receptors

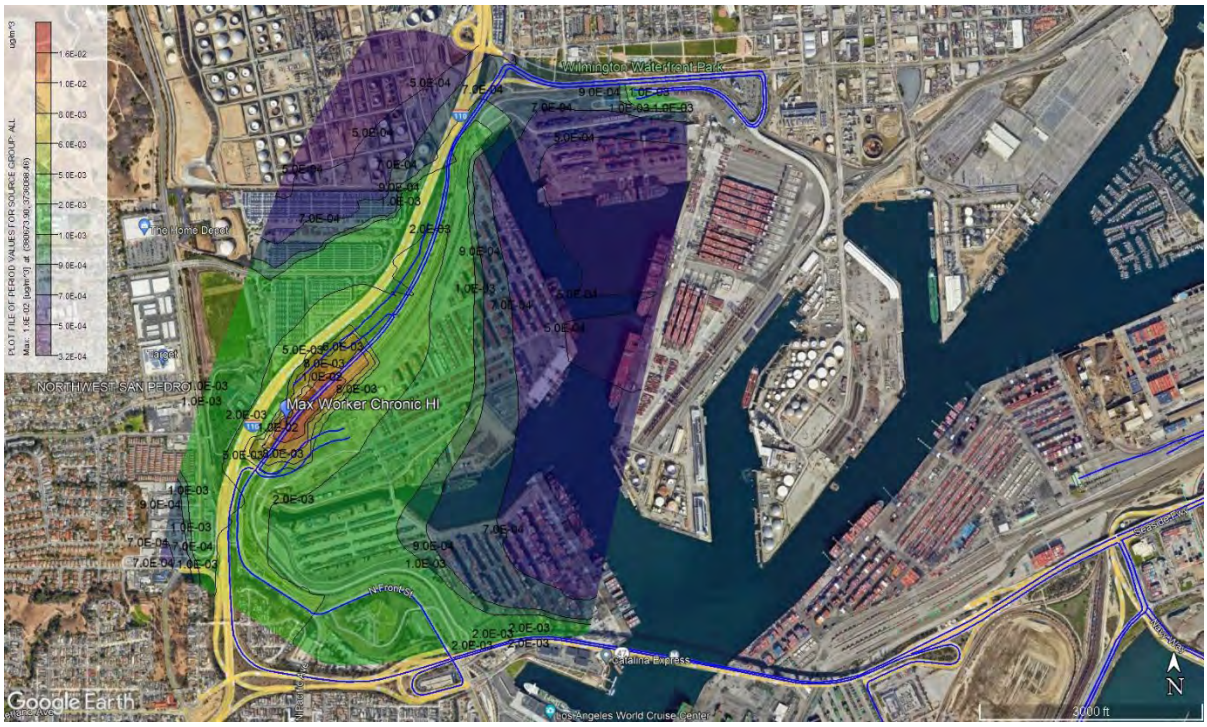
Operational Chronic Hazard Index – Residential Receptors

Operational Acute Hazard Index – Residential Receptors

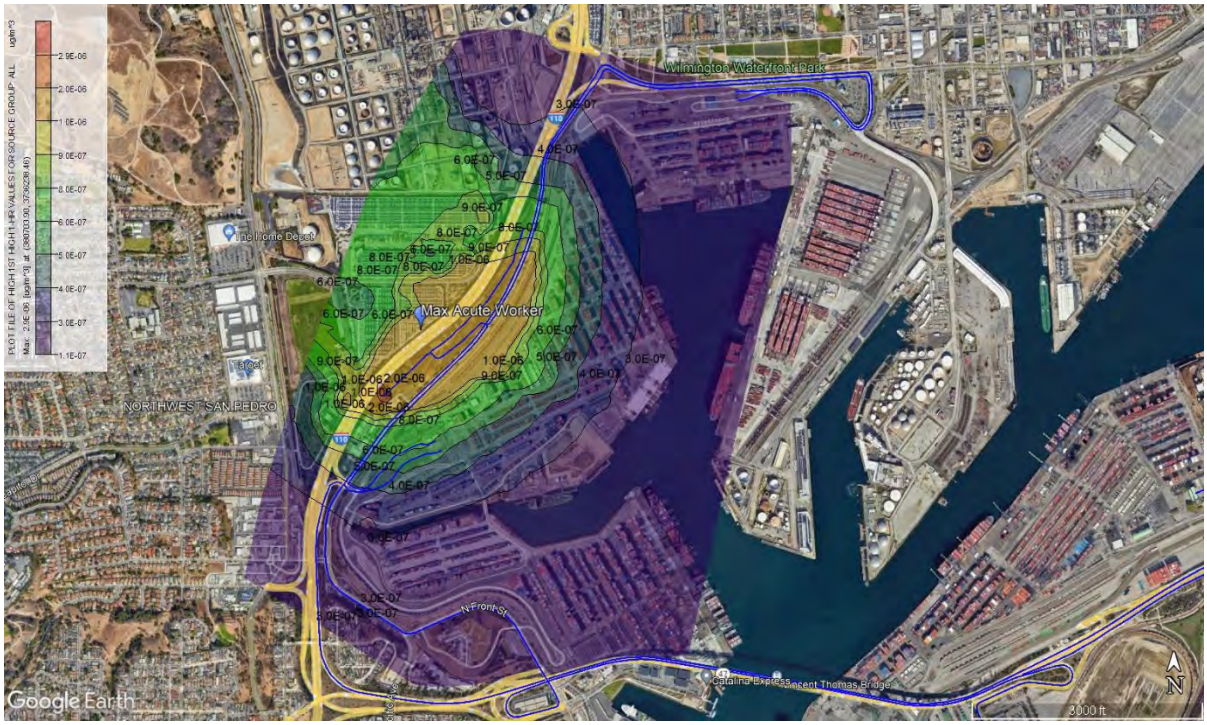


Operational Cancer Risk – Worker Receptors

Operational Chronic Hazard Index – Worker Receptors



Operational Acute Hazard Index – Worker Receptors



Construction MEI (Sensitive) - Cancer Risk (in a Million) HARP Rec #: 129 X: 381628.81 Y: 3737562.02		
Tier 3 (T3)*	T3 DPF (L3)**	Tier 4 (T4)
0.13	0.02	0.01
MEI (Sensitive) - Chronic Hazard Index HARP Rec #: 129 X: 381628.81 Y: 3737562.02		
T3	T3L3	T4
1.77E-04	2.73E-05	1.81E-05
MEI (Sensitive) - Acute Hazard Index HARP Rec #: NA X: NA Y: NA		
T3	T3L3	T4
0.00E+00	0.00E+00	0.00E+00
MEI (Sensitive) - PM 2.5 HARP Rec #: 129 X: 381628.81 Y: 3737562.02		
T3	T3L3	T4
0.001	0.000	0.000

Construction MEI (Worker) - Cancer Risk (in a Million) HARP Rec #: 1385 X: 380763.9 Y: 3736238.46		
T3	T3L3	T4
0.06	0.01	0.01
MEI (Worker) - Chronic Hazard Index HARP Rec #: 1385 X: 380763.9 Y: 3736238.46		
T3	T3L3	T4
4.44E-03	6.85E-04	4.55E-04
MEI (Worker) - Acute Hazard Index HARP Rec #: NA X: NA Y: NA		
T3	T3L3	T4
0.00E+00	0.00E+00	0.00E+00
MEI (Worker) - PM 2.5 HARP Rec #: 1385 X: 380763.9 Y: 3736238.46		
T3	T3L3	T4
0.022	0.003	0.002

**Tier refers to the tier engine rating of construction equipment assumed to be operational at the project site and included in the CalEEMod emissions modeling for the proposed project.*

*** Construction equipment was assumed to have a Diesel Particulate Filter, Level 3 emissions control device.*

	Zone	**11**	Process Coordinates
	Datum	**WGS 1984**	
	KML File Name	**ESL2201.63 Project MEI**	

Description	**Receptor Type**	**Model Type**	**UTM X**	**UTM Y**	**Latitude**	**Longitude**		Sensitive Unmitigated	Sensitive T2	Sensitive T2L3	Sensitive T4	**Row**
Construction	Sensitive	Cancer Risk	381628.81	3737562.02	33.77156383	-118.2783445	**Col**	2	3	4	#REF!	4
Construction	Sensitive	Chronic HI	381628.81	3737562.02	33.77156383	-118.2783445		2	3	4	#REF!	7
Construction	Sensitive	PM 2.5	381628.81	3737562.02	33.77156383	-118.2783445		2	3	4	#REF!	13
Construction	Worker	Cancer Risk	380763.90	3736238.46	33.75953222	-118.2875045		6	7	8	#REF!	4
Construction	Worker	Chronic HI	380763.90	3736238.46	33.75953222	-118.2875045		6	7	8	#REF!	7
Construction	Worker	PM 2.5	380763.90	3736238.46	33.75953222	-118.2875045		6	7	8	#REF!	13

General AERMOD Input Parameters			
Project Boundary			
	Based on site plan		
Project Elevation Data			
	Source	**Lakes Environmental**	
	Link	http://www.webgis.com/terraindata.html	
	Evel Data Descr.	**SRTM**	
Project Receptor Grid			
	Telescoping Grid	Spacing (m)	Distance (m)
	Grid 1	**10**	**200**
	Grid 2	**20**	**200**
	Grid 3	**30**	**300**
	Grid 4	**40**	**400**
	Comments	**Receptors on roads or paring lot areas have been removed.**	
Meteorological Dataset			
	Location	**Long Beach Arpt.**	
	Provided By	**South Coast AQMD**	
	Years	**2011 - 2013, 2015-2016**	
	Elevation (m)	**367**	
	Link	https://www.aqmd.gov/docs/default-source/air-quality/meterorologicaldata/aermod-ready-meteorological-data/table-1-meteorologicalsites/2017/LongBeachAirportADJU.zip?sfvrsn=7	
Construction Modeling Specific Inputs			
AERMOD Input Options			
	Regulatory Options	**Default**	
	Pollutant Type	**Other**	
	Averaging Period	**Period & Hourly**	
	Dispersion Coefficient	**Urban**	
	County	**Los Angeles**	
	Urban Grouping / Pop	**Y**	**9,818,605**
	# of Worker Receptors	**1,764**	
	# of Sensitive Receptors	**6,000**	
Construction Area Parameters			
	Source Type	**Polygon Area**	
	Project Area (m^2)	**64019**	
	Ht. of Source (m)	**3.048**	

General HARP Input Parameters		
Construction		
Sensitive Receptors		
Sensitive Scenario Parameters		
	Starting Age	**3rd Trimester**
	Age Range	**3rd Trimester - 1 Year**
	Receptor Type	**Individual Resident**
	Assessment Type	**Cancer / Chronic / Acute**
	Exposure Duration	**1**

	Intake Rate	**RMP using the Derived Method**
	Comments	**Each year of construction is modeled separately and the impact to each receptor is summed to estimate the total exposure from construction emissions. Additionally, the starting age is increased for each year of construction.**
Sensitive Pathway Parameters		
	Pathways	**SCAQMD Mandatory minimum Pathways**
	Deposition Rate	**0.02**
	TAH < 16 yrs	**Y**
	TAH ≥ 16 yrs	**Y**
Worker Receptors		
Worker Scenario Parameters		
	Starting Age	**16**
	Age Range	**16**
	Receptor Type	**Worker**
	Assessment Type	**Cancer / Chronic / Acute**
	Exposure Duration	**1**
	Intake Rate	**OEHHA Derived Method**
	Comments	**Each year of construction is modeled separately and the impact to each receptor is summed to estimate the total exposure from construction emissions. Additionally, the starting age is increased for each year of construction.**
Worker Pathway Parameters		
	Pathways	**OEHHA minimum Pathways**
	Deposition Rate	**0.02**
	TAH < 16 yrs	**N**
	TAH ≥ 16 yrs	**N**

PM 10			
Tons/Yr	T3	T3L3	T4
Year 1	0.07215	0.01112	0.00739
Year 2	0	0	0
Year 3	0	0	0
Year 4	0	0	0

PM 10			
Lbs /Yr	T3	T3L3	T4
Year 1	144.3	22.24	14.78
Year 2	0	0	0
Year 3	0	0	0
Year 4	0	0	0

PM 10			
% Chng	T3	T3L3	T4
Year 1	100%	15%	10%
Year 2	0%	0%	0%
Year 3	0%	0%	0%
Year 4	0%	0%	0%

			T3				133	T3L3					T4				
							1.34E-07					2.06E-08					1.37E-08
					129	381628.81	3737562.02										
			Yr 1	Yr 2	Yr 3	Yr 4	Total	Yr 1	Yr 2	Yr 3	Yr 4	Total	Yr 1	Yr 2	Yr 3	Yr 4	Total
1	381788.81	3737480.82	7.73E-08	0.00E+00	0.00E+00	0.00E+00	7.73E-08	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	7.92E-09	0.00E+00	0.00E+00	0.00E+00	7.92E-09
2	381808.81	3737480.82	7.23E-08	0.00E+00	0.00E+00	0.00E+00	7.23E-08	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	7.40E-09	0.00E+00	0.00E+00	0.00E+00	7.40E-09
3	381828.81	3737480.82	6.77E-08	0.00E+00	0.00E+00	0.00E+00	6.77E-08	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	6.93E-09	0.00E+00	0.00E+00	0.00E+00	6.93E-09
4	381848.81	3737480.82	6.35E-08	0.00E+00	0.00E+00	0.00E+00	6.35E-08	9.78E-09	0.00E+00	0.00E+00	0.00E+00	9.78E-09	6.50E-09	0.00E+00	0.00E+00	0.00E+00	6.50E-09
5	381868.81	3737480.82	5.96E-08	0.00E+00	0.00E+00	0.00E+00	5.96E-08	9.18E-09	0.00E+00	0.00E+00	0.00E+00	9.18E-09	6.10E-09	0.00E+00	0.00E+00	0.00E+00	6.10E-09
6	381888.81	3737480.82	5.61E-08	0.00E+00	0.00E+00	0.00E+00	5.61E-08	8.64E-09	0.00E+00	0.00E+00	0.00E+00	8.64E-09	5.74E-09	0.00E+00	0.00E+00	0.00E+00	5.74E-09
7	381908.81	3737480.82	5.29E-08	0.00E+00	0.00E+00	0.00E+00	5.29E-08	8.15E-09	0.00E+00	0.00E+00	0.00E+00	8.15E-09	5.41E-09	0.00E+00	0.00E+00	0.00E+00	5.41E-09
8	381928.81	3737480.82	4.99E-08	0.00E+00	0.00E+00	0.00E+00	4.99E-08	7.69E-09	0.00E+00	0.00E+00	0.00E+00	7.69E-09	5.11E-09	0.00E+00	0.00E+00	0.00E+00	5.11E-09
9	381728.81	3737501.12	9.56E-08	0.00E+00	0.00E+00	0.00E+00	9.56E-08	1.47E-08	0.00E+00	0.00E+00	0.00E+00	1.47E-08	9.80E-09	0.00E+00	0.00E+00	0.00E+00	9.80E-09
10	381748.81	3737501.12	8.89E-08	0.00E+00	0.00E+00	0.00E+00	8.89E-08	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	9.11E-09	0.00E+00	0.00E+00	0.00E+00	9.11E-09
11	381768.81	3737501.12	8.29E-08	0.00E+00	0.00E+00	0.00E+00	8.29E-08	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	8.49E-09	0.00E+00	0.00E+00	0.00E+00	8.49E-09
12	381788.81	3737501.12	7.74E-08	0.00E+00	0.00E+00	0.00E+00	7.74E-08	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	7.93E-09	0.00E+00	0.00E+00	0.00E+00	7.93E-09
13	381808.81	3737501.12	7.24E-08	0.00E+00	0.00E+00	0.00E+00	7.24E-08	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	7.41E-09	0.00E+00	0.00E+00	0.00E+00	7.41E-09
14	381828.81	3737501.12	6.78E-08	0.00E+00	0.00E+00	0.00E+00	6.78E-08	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	6.94E-09	0.00E+00	0.00E+00	0.00E+00	6.94E-09
15	381848.81	3737501.12	6.36E-08	0.00E+00	0.00E+00	0.00E+00	6.36E-08	9.80E-09	0.00E+00	0.00E+00	0.00E+00	9.80E-09	6.51E-09	0.00E+00	0.00E+00	0.00E+00	6.51E-09
16	381868.81	3737501.12	5.97E-08	0.00E+00	0.00E+00	0.00E+00	5.97E-08	9.21E-09	0.00E+00	0.00E+00	0.00E+00	9.21E-09	6.12E-09	0.00E+00	0.00E+00	0.00E+00	6.12E-09
17	381888.81	3737501.12	5.62E-08	0.00E+00	0.00E+00	0.00E+00	5.62E-08	8.67E-09	0.00E+00	0.00E+00	0.00E+00	8.67E-09	5.76E-09	0.00E+00	0.00E+00	0.00E+00	5.76E-09
18	381908.81	3737501.12	5.30E-08	0.00E+00	0.00E+00	0.00E+00	5.30E-08	8.17E-09	0.00E+00	0.00E+00	0.00E+00	8.17E-09	5.43E-09	0.00E+00	0.00E+00	0.00E+00	5.43E-09
19	381928.81	3737501.12	5.01E-08	0.00E+00	0.00E+00	0.00E+00	5.01E-08	7.72E-09	0.00E+00	0.00E+00	0.00E+00	7.72E-09	5.13E-09	0.00E+00	0.00E+00	0.00E+00	5.13E-09
20	381948.81	3737501.12	4.74E-08	0.00E+00	0.00E+00	0.00E+00	4.74E-08	7.30E-09	0.00E+00	0.00E+00	0.00E+00	7.30E-09	4.85E-09	0.00E+00	0.00E+00	0.00E+00	4.85E-09
21	381968.81	3737501.12	4.49E-08	0.00E+00	0.00E+00	0.00E+00	4.49E-08	6.92E-09	0.00E+00	0.00E+00	0.00E+00	6.92E-09	4.60E-09	0.00E+00	0.00E+00	0.00E+00	4.60E-09
22	381988.81	3737501.12	4.26E-08	0.00E+00	0.00E+00	0.00E+00	4.26E-08	6.56E-09	0.00E+00	0.00E+00	0.00E+00	6.56E-09	4.36E-09	0.00E+00	0.00E+00	0.00E+00	4.36E-09
23	382008.81	3737501.12	4.05E-08	0.00E+00	0.00E+00	0.00E+00	4.05E-08	6.24E-09	0.00E+00	0.00E+00	0.00E+00	6.24E-09	4.14E-09	0.00E+00	0.00E+00	0.00E+00	4.14E-09
24	382028.81	3737501.12	3.85E-08	0.00E+00	0.00E+00	0.00E+00	3.85E-08	5.93E-09	0.00E+00	0.00E+00	0.00E+00	5.93E-09	3.94E-09	0.00E+00	0.00E+00	0.00E+00	3.94E-09
25	382048.81	3737501.12	3.66E-08	0.00E+00	0.00E+00	0.00E+00	3.66E-08	5.65E-09	0.00E+00	0.00E+00	0.00E+00	5.65E-09	3.75E-09	0.00E+00	0.00E+00	0.00E+00	3.75E-09
26	382068.81	3737501.12	3.49E-08	0.00E+00	0.00E+00	0.00E+00	3.49E-08	5.38E-09	0.00E+00	0.00E+00	0.00E+00	5.38E-09	3.58E-09	0.00E+00	0.00E+00	0.00E+00	3.58E-09
27	382088.81	3737501.12	3.34E-08	0.00E+00	0.00E+00	0.00E+00	3.34E-08	5.14E-09	0.00E+00	0.00E+00	0.00E+00	5.14E-09	3.42E-09	0.00E+00	0.00E+00	0.00E+00	3.42E-09
28	382108.81	3737501.12	3.19E-08	0.00E+00	0.00E+00	0.00E+00	3.19E-08	4.91E-09	0.00E+00	0.00E+00	0.00E+00	4.91E-09	3.26E-09	0.00E+00	0.00E+00	0.00E+00	3.26E-09
29	382128.81	3737501.12	3.05E-08	0.00E+00	0.00E+00	0.00E+00	3.05E-08	4.70E-09	0.00E+00	0.00E+00	0.00E+00	4.70E-09	3.12E-09	0.00E+00	0.00E+00	0.00E+00	3.12E-09
30	381688.81	3737521.42	1.10E-07	0.00E+00	0.00E+00	0.00E+00	1.10E-07	1.70E-08	0.00E+00	0.00E+00	0.00E+00	1.70E-08	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08
31	381708.81	3737521.42	1.03E-07	0.00E+00	0.00E+00	0.00E+00	1.03E-07	1.58E-08	0.00E+00	0.00E+00	0.00E+00	1.58E-08	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08
32	381728.81	3737521.42	9.54E-08	0.00E+00	0.00E+00	0.00E+00	9.54E-08	1.47E-08	0.00E+00	0.00E+00	0.00E+00	1.47E-08	9.77E-09	0.00E+00	0.00E+00	0.00E+00	9.77E-09
33	381748.81	3737521.42	8.88E-08	0.00E+00	0.00E+00	0.00E+00	8.88E-08	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	9.10E-09	0.00E+00	0.00E+00	0.00E+00	9.10E-09
34	381768.81	3737521.42	8.28E-08	0.00E+00	0.00E+00	0.00E+00	8.28E-08	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	8.48E-09	0.00E+00	0.00E+00	0.00E+00	8.48E-09
35	381788.81	3737521.42	7.74E-08	0.00E+00	0.00E+00	0.00E+00	7.74E-08	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	7.92E-09	0.00E+00	0.00E+00	0.00E+00	7.92E-09
36	381808.81	3737521.42	7.24E-08	0.00E+00	0.00E+00	0.00E+00	7.24E-08	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	7.42E-09	0.00E+00	0.00E+00	0.00E+00	7.42E-09
37	381828.81	3737521.42	6.78E-08	0.00E+00	0.00E+00	0.00E+00	6.78E-08	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	6.95E-09	0.00E+00	0.00E+00	0.00E+00	6.95E-09
38	381848.81	3737521.42	6.37E-08	0.00E+00	0.00E+00	0.00E+00	6.37E-08	9.81E-09	0.00E+00	0.00E+00	0.00E+00	9.81E-09	6.52E-09	0.00E+00	0.00E+00	0.00E+00	6.52E-09
39	381868.81	3737521.42	5.99E-08	0.00E+00	0.00E+00	0.00E+00	5.99E-08	9.22E-09	0.00E+00	0.00E+00	0.00E+00	9.22E-09	6.13E-09	0.00E+00	0.00E+00	0.00E+00	6.13E-09
40	381888.81	3737521.42	5.64E-08	0.00E+00	0.00E+00	0.00E+00	5.64E-08	8.69E-09	0.00E+00	0.00E+00	0.00E+00	8.69E-09	5.77E-09	0.00E+00	0.00E+00	0.00E+00	5.77E-09
41	381908.81	3737521.42	5.32E-08	0.00E+00	0.00E+00	0.00E+00	5.32E-08	8.19E-09	0.00E+00	0.00E+00	0.00E+00	8.19E-09	5.45E-09	0.00E+00	0.00E+00	0.00E+00	5.45E-09
42	381928.81	3737521.42	5.02E-08	0.00E+00	0.00E+00	0.00E+00	5.02E-08	7.74E-09	0.00E+00	0.00E+00	0.00E+00	7.74E-09	5.15E-09	0.00E+00	0.00E+00	0.00E+00	5.15E-09
43	381948.81	3737521.42	4.75E-08	0.00E+00	0.00E+00	0.00E+00	4.75E-08	7.32E-09	0.00E+00	0.00E+00	0.00E+00	7.32E-09	4.87E-09	0.00E+00	0.00E+00	0.00E+00	4.87E-09
44	381968.81	3737521.42	4.50E-08	0.00E+00	0.00E+00	0.00E+00	4.50E-08	6.94E-09	0.00E+00	0.00E+00	0.00E+00	6.94E-09	4.61E-09	0.00E+00	0.00E+00	0.00E+00	4.61E-09
45	381988.81	3737521.42	4.27E-08	0.00E+00	0.00E+00	0.00E+00	4.27E-08	6.59E-09	0.00E+00	0.00E+00	0.00E+00	6.59E-09	4.38E-09	0.00E+00	0.00E+00	0.00E+00	4.38E-09
46	382008.81	3737521.42	4.06E-08	0.00E+00	0.00E+00	0.00E+00	4.06E-08	6.26E-09	0.00E+00	0.00E+00	0.00E+00	6.26E-09	4.16E-09	0.00E+00	0.00E+00	0.00E+00	4.16E-09
47	382028.81	3737521.42	3.86E-08	0.00E+00	0.00E+00	0.00E+00	3.86E-08	5.95E-09	0.00E+00	0.00E+00	0.00E+00	5.95E-09	3.96E-09	0.00E+00	0.00E+00	0.00E+00	3.96E-09
48	382048.81	3737521.42	3.68E-08	0.00E+00	0.00E+00	0.00E+00	3.68E-08	5.67E-09	0.00E+00	0.00E+00	0.00E+00	5.67E-09	3.77E-09	0.00E+00	0.00E+00	0.00E+00	3.77E-09
49	382068.81	3737521.42	3.51E-08	0.00E+00	0.00E+00	0.00E+00	3.51E-08	5.41E-09	0.00E+00	0.00E+00	0.00E+00	5.41E-09	3.59E-09	0.00E+00	0.00E+00	0.00E+00	3.59E-09
50	382088.81	3737521.42	3.35E-08	0.00E+00	0.00E+00	0.00E+00	3.35E-08	5.16E-09	0.00E+00	0.00E+00	0.00E+00	5.16E-09	3.43E-09	0.00E+00	0.00E+00	0.00E+00	3.43E-09
51	382108.81	3737521.42	3.20E-08	0.00E+00	0.00E+00	0.00E+00	3.20E-08	4.93E-09	0.00E+00	0.00E+00	0.00E+00	4.93E-09	3.28E-09	0.00E+00	0.00E+00	0.00E+00	3.28E-09
52	382128.81	3737521.42	3.06E-08	0.00E+00	0.00E+00	0.00E+00	3.06E-08	4.72E-09	0.00E+00	0.00E+00	0.00E+00	4.72E-09	3.14E-09	0.00E+00	0.00E+00	0.00E+00	3.14E-09
53	382148.81	3737521.42	2.93E-08	0.00E+00	0.00E+00	0.00E+00	2.93E-08	4.52E-09	0.00E+00	0.00E+00	0.00E+00	4.52E-09	3.00E-09	0.00E+00	0.00E+00	0.00E+00	3.00E-09
54	382168.81	3737521.42	2.81E-08	0.00E+00	0.00E+00	0.00E+00	2.81E-08	4.33E-09	0.00E+00	0.00E+00	0.00E+00	4.33E-09	2.88E-09	0.00E+00	0.00E+00	0.00E+00	2.88E-09
55	382188.81	3737521.42	2.70E-08	0.00E+00	0.00E+00	0.00E+00	2.70E-08	4.16E-09	0.00E+00	0.00E+00	0.00E+00	4.16E-09	2.76E-09	0.00E+00	0.00E+00	0.00E+00	2.76E-09
56	382208.81	3737521.42	2.59E-08	0.00E+00	0.00E+00	0.00E+00	2.59E-08	3.99E-09	0.00E+00	0.00E+00	0.00E+00	3.99E-09	2.65E-09	0.00E+00	0.00E+00	0.00E+00	2.65E-09
57	382228.81	3737521.42	2.49E-08	0.00E+00	0.00E+00	0.00E+00	2.49E-08	3.83E-09	0.00E+00	0.00E+00	0.00E+00	3.83E-09	2.55E-09	0.00E+00	0.00E+00	0.00E+00	2.55E-09
58	382248.81	3737521.42	2.39E-08	0.00E+00	0.00E+00	0.00E+00	2.39E-08	3.69E-09	0.00E+00	0.00E+00	0.00E+00	3.69E-09	2.45E-09	0.00E+00	0.00E+00	0.00E+00	2.45E-09
59	382268.81	3737521.42	2.30E-08	0.00E+00	0.00E+00	0.00E+00	2.30E-08	3.55E-09	0.00E+00	0.00E+00	0.00E+00	3.55E-09	2.36E-09	0.00E+00	0.00E+00	0.00E+00	2.36E-09
60	382288.81	3737521.42	2.22E-08	0.00E+00	0.00E+00	0.00E+00	2.22E-08	3.42E-09	0.00E+00	0.00E+00	0.00E+00	3.42E-09	2.27E-09	0.00E+00	0.00E+00	0.00E+00	2.27E-09
61	382308.81	3737521.42	2.14E-08	0.00E+00	0.00E+00	0.00E+00	2.14E-08	3.29E-09	0.00E+00	0.00E+00	0.00E+00	3.29E-09	2.19E-09	0.00E+00	0.00E+00	0.00E+00	2.19E-09
62	382328.81	3737521.42	2.06E-08	0.00E+00	0.00E+00	0.00E+00	2.06E-08	3.17E-09	0.00E+00	0.00E+00	0.00E+00	3.17E-09	2.11E-09	0.00E+00	0.00E+00	0.00E+00	2.11E-09
63	382348.81	3737521.42	1.99E-08	0.00E+00	0.00E+00	0.00E+00	1.99E-08	3.06E-09	0.00E+00	0.00E+00	0.00E+00	3.06E-09	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09
64	382368.81	3737521.42	1.92E-08	0.00E+00	0.00E+00	0.00E+00	1.92E-08	2.96E-09	0.00E+00	0.00E+00	0.00E+00	2.96E-09	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09
65	382388.81	3737521.42	1.86E-08	0.00E+00	0.00E+00	0.00E+00	1.86E-08	2.86E-09	0.00E+00	0.00E+00	0.00E+00	2.86E-09	1.90E-09	0.00E+00	0.00E+00	0.00E+00	1.90E-09
66	382408.81	3737521.42	1.79E-08	0.00E+00	0.00E+00	0.00E+00	1.79E-08	2.76E-09	0.00E+00	0.00E+00	0.00E+00	2.76E-09	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09
67	382428.81	3737521.42	1.74E-08	0.00E+00	0.00E+00	0.00E+00	1.74E-08	2.67E-09	0.00E+00	0.00E+00	0.00E+00	2.67E-09	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09
68	382448.81	3737521.42	1.68E-08	0.00E+00	0.00E+00	0.00E+00	1.68E-08	2.59E-09	0.00E+00	0.00E+00	0.00E+00	2.59E-09	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09
69	382468.81	3737521.42	1.63E-08	0.00E+00	0.00E+00	0.00E+00	1.63E-08	2.51E-09	0.00E+00	0.00E+00	0.00E+00	2.51E-09	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09
70	382488.81	3737521.42	1.58E-08	0.00E+00	0.00E+00	0.00E+00	1.58E-08	2.43E-09	0.00E+00	0.00E+00	0.00E+00	2.43E-09	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09
71	382508.81	3737521.42	1.53E-08	0.00E+00	0.00E+00	0.00E+00	1.53E-08	2.36E-09	0.00E+00	0.00E+00	0.00E+00	2.36E-09	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09
72	382528.81	3737521.42	1.48E-08	0.00E+00	0.00E+00	0.00E+00	1.48E-08	2.29E-09	0.00E+00	0.00E+00	0.00E+00	2.29E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09
73	382548.81	3737521.42	1.44E-08	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.22E-09	0.00E+00	0.00E+00	0.00E+00	2.22E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09
74	382588.81	3737521.42	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.10E-09	0.00E+00	0.00E+00	0.00E+00	2.10E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
75	382608.81	3737521.42	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
76	382628.81	3737521.42	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
77	382648.81	3737521.42	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
78	381648.81	3737541.72	1.26E-07	0.00E+00	0.00E+00	0.00E+00	1.26E-07	1.95E-08	0.00E+00	0.00E+00	0.00E+00	1.95E-08	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08
79	381668.81	3737541.72	1.18E-07	0.00E+00	0.00E+00	0.00E+00	1.18E-07	1.81E-08	0.00E+00	0.00E+00	0.00E+00	1.81E-08	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08
80	381688.81	3737541.72	1.09E-07	0.00E+00	0.00E+00	0.00E+00	1.09E-07	1.69E-08	0.00E+00	0.00E+00	0.00E+00	1.69E-08	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08
81	381708.81	3737541.72	1.02E-07	0.00E+00	0.00E+00	0.00E+00	1.02E-07	1.57E-08	0.00E+00	0.00E+00	0.00E+00	1.57E-08	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08
82	381728.81	3737541.72	9.50E-08	0.00E+00	0.00E+00	0.00E+00	9.50E-08	1.46E-08	0.00E+00	0.00E+00	0.00E+00	1.46E-08	9.73E-09	0.00E+00	0.00E+00	0.00E+00	9.73E-09
83	381748.81	3737541.72	8.85E-08	0.00E+00	0.00E+00	0.00E+00	8.85E-08	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	9.07E-09	0.00E+00	0.00E+00	0.00E+00	9.07E-09
84	381768.81	3737541.72	8.27E-08	0.00E+00	0.00E+00	0.00E+00	8.27E-08	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	8.47E-09	0.00E+00	0.00E+00	0.00E+00	8.47E-09
85	381788.81	3737541.72	7.73E-08	0.00E+00	0.00E+00	0.00E+00	7.73E-08	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	7.92E-09	0.00E+00	0.00E+00	0.00E+00	7.92E-09
86	381808.81	3737541.72	7.24E-08	0.00E+00	0.00E+00	0.00E+00	7.24E-08	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	7.41E-09	0.00E+00	0.00E+00	0.00E+00	7.41E-09
87	381828.81	3737541.72	6.79E-08	0.00E+00	0.00E+00	0.00E+00	6.79E-08	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	6.95E-09	0.00E+00	0.00E+00	0.00E+00	6.95E-09
88	381848.81	3737541.72	6.37E-08	0.00E+00	0.00E+00	0.00E+00	6.37E-08	9.82E-09	0.00E+00	0.00E+00	0.00E+00	9.82E-09	6.53E-09	0.00E+00	0.00E+00	0.00E+00	6.53E-09
89	381868.81	3737541.72	5.99E-08	0.00E+00	0.00E+00	0.00E+00	5.99E-08	9.24E-09	0.00E+00	0.00E+00	0.00E+00	9.24E-09	6.14E-09	0.00E+00	0.00E+00	0.00E+00	6.14E-09
90	381888.81	3737541.72	5.65E-08	0.00E+00	0.00E+00	0.00E+00	5.65E-08	8.70E-09	0.00E+00	0.00E+00	0.00E+00	8.70E-09	5.78E-09	0.00E+00	0.00E+00	0.00E+00	5.78E-09
91	381908.81	3737541.72	5.33E-08	0.00E+00	0.00E+00	0.00E+00	5.33E-08	8.21E-09	0.00E+00	0.00E+00	0.00E+00	8.21E-09	5.46E-09	0.00E+00	0.00E+00	0.00E+00	5.46E-09
92	381928.81	3737541.72	5.04E-08	0.00E+00	0.00E+00	0.00E+00	5.04E-08	7.76E-09	0.00E+00	0.00E+00	0.00E+00	7.76E-09	5.16E-09	0.00E+00	0.00E+00	0.00E+00	5.16E-09
93	381948.81	3737541.72	4.77E-08	0.00E+00	0.00E+00	0.00E+00	4.77E-08	7.35E-09	0.00E+00	0.00E+00	0.00E+00	7.35E-09	4.88E-09	0.00E+00	0.00E+00	0.00E+00	4.88E-09
94	381968.81	3737541.72	4.52E-08	0.00E+00	0.00E+00	0.00E+00	4.52E-08	6.96E-09	0.00E+00	0.00E+00	0.00E+00	6.96E-09	4.63E-09	0.00E+00	0.00E+00	0.00E+00	4.63E-09
95	381988.81	3737541.72	4.29E-08	0.00E+00	0.00E+00	0.00E+00	4.29E-08	6.61E-09	0.00E+00	0.00E+00	0.00E+00	6.61E-09	4.39E-09	0.00E+00	0.00E+00	0.00E+00	4.39E-09
96	382008.81	3737541.72	4.07E-08	0.00E+00	0.00E+00	0.00E+00	4.07E-08	6.28E-09	0.00E+00	0.00E+00	0.00E+00	6.28E-09	4.17E-09	0.00E+00	0.00E+00	0.00E+00	4.17E-09
97	382028.81	3737541.72	3.88E-08	0.00E+00	0.00E+00	0.00E+00	3.88E-08	5.98E-09	0.00E+00	0.00E+00	0.00E+00	5.98E-09	3.97E-09	0.00E+00	0.00E+00	0.00E+00	3.97E-09
98	382048.81	3737541.72	3.69E-08	0.00E+00	0.00E+00	0.00E+00	3.69E-08	5.69E-09	0.00E+00	0.00E+00	0.00E+00	5.69E-09	3.78E-09	0.00E+00	0.00E+00	0.00E+00	3.78E-09
99	382068.81	3737541.72	3.52E-08	0.00E+00	0.00E+00	0.00E+00	3.52E-08	5.43E-09	0.00E+00	0.00E+00	0.00E+00	5.43E-09	3.61E-09	0.00E+00	0.00E+00	0.00E+00	3.61E-09
100	382088.81	3737541.72	3.36E-08	0.00E+00	0.00E+00	0.00E+00	3.36E-08	5.18E-09	0.00E+00	0.00E+00	0.00E+00	5.18E-09	3.44E-09	0.00E+00	0.00E+00	0.00E+00	3.44E-09
101	382108.81	3737541.72	3.21E-08	0.00E+00	0.00E+00	0.00E+00	3.21E-08	4.95E-09	0.00E+00	0.00E+00	0.00E+00	4.95E-09	3.29E-09	0.00E+00	0.00E+00	0.00E+00	3.29E-09

102	382128.81	3737541.72	3.08E-08	0.00E+00	0.00E+00	0.00E+00	3.08E-08	4.74E-09	0.00E+00	0.00E+00	0.00E+00	4.74E-09	3.15E-09	0.00E+00	0.00E+00	0.00E+00	3.15E-09
103	382148.81	3737541.72	2.95E-08	0.00E+00	0.00E+00	0.00E+00	2.95E-08	4.54E-09	0.00E+00	0.00E+00	0.00E+00	4.54E-09	3.02E-09	0.00E+00	0.00E+00	0.00E+00	3.02E-09
104	382168.81	3737541.72	2.82E-08	0.00E+00	0.00E+00	0.00E+00	2.82E-08	4.35E-09	0.00E+00	0.00E+00	0.00E+00	4.35E-09	2.89E-09	0.00E+00	0.00E+00	0.00E+00	2.89E-09
105	382188.81	3737541.72	2.71E-08	0.00E+00	0.00E+00	0.00E+00	2.71E-08	4.18E-09	0.00E+00	0.00E+00	0.00E+00	4.18E-09	2.78E-09	0.00E+00	0.00E+00	0.00E+00	2.78E-09
106	382208.81	3737541.72	2.60E-08	0.00E+00	0.00E+00	0.00E+00	2.60E-08	4.01E-09	0.00E+00	0.00E+00	0.00E+00	4.01E-09	2.66E-09	0.00E+00	0.00E+00	0.00E+00	2.66E-09
107	382228.81	3737541.72	2.50E-08	0.00E+00	0.00E+00	0.00E+00	2.50E-08	3.85E-09	0.00E+00	0.00E+00	0.00E+00	3.85E-09	2.56E-09	0.00E+00	0.00E+00	0.00E+00	2.56E-09
108	382248.81	3737541.72	2.40E-08	0.00E+00	0.00E+00	0.00E+00	2.40E-08	3.70E-09	0.00E+00	0.00E+00	0.00E+00	3.70E-09	2.46E-09	0.00E+00	0.00E+00	0.00E+00	2.46E-09
109	382268.81	3737541.72	2.31E-08	0.00E+00	0.00E+00	0.00E+00	2.31E-08	3.56E-09	0.00E+00	0.00E+00	0.00E+00	3.56E-09	2.37E-09	0.00E+00	0.00E+00	0.00E+00	2.37E-09
110	382288.81	3737541.72	2.23E-08	0.00E+00	0.00E+00	0.00E+00	2.23E-08	3.43E-09	0.00E+00	0.00E+00	0.00E+00	3.43E-09	2.28E-09	0.00E+00	0.00E+00	0.00E+00	2.28E-09
111	382308.81	3737541.72	2.15E-08	0.00E+00	0.00E+00	0.00E+00	2.15E-08	3.31E-09	0.00E+00	0.00E+00	0.00E+00	3.31E-09	2.20E-09	0.00E+00	0.00E+00	0.00E+00	2.20E-09
112	382328.81	3737541.72	2.07E-08	0.00E+00	0.00E+00	0.00E+00	2.07E-08	3.19E-09	0.00E+00	0.00E+00	0.00E+00	3.19E-09	2.12E-09	0.00E+00	0.00E+00	0.00E+00	2.12E-09
113	382348.81	3737541.72	2.00E-08	0.00E+00	0.00E+00	0.00E+00	2.00E-08	3.08E-09	0.00E+00	0.00E+00	0.00E+00	3.08E-09	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09
114	382368.81	3737541.72	1.93E-08	0.00E+00	0.00E+00	0.00E+00	1.93E-08	2.97E-09	0.00E+00	0.00E+00	0.00E+00	2.97E-09	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09
115	382388.81	3737541.72	1.86E-08	0.00E+00	0.00E+00	0.00E+00	1.86E-08	2.87E-09	0.00E+00	0.00E+00	0.00E+00	2.87E-09	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09
116	382408.81	3737541.72	1.80E-08	0.00E+00	0.00E+00	0.00E+00	1.80E-08	2.78E-09	0.00E+00	0.00E+00	0.00E+00	2.78E-09	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09
117	382428.81	3737541.72	1.74E-08	0.00E+00	0.00E+00	0.00E+00	1.74E-08	2.69E-09	0.00E+00	0.00E+00	0.00E+00	2.69E-09	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09
118	382448.81	3737541.72	1.69E-08	0.00E+00	0.00E+00	0.00E+00	1.69E-08	2.60E-09	0.00E+00	0.00E+00	0.00E+00	2.60E-09	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09
119	382468.81	3737541.72	1.63E-08	0.00E+00	0.00E+00	0.00E+00	1.63E-08	2.52E-09	0.00E+00	0.00E+00	0.00E+00	2.52E-09	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09
120	382488.81	3737541.72	1.58E-08	0.00E+00	0.00E+00	0.00E+00	1.58E-08	2.44E-09	0.00E+00	0.00E+00	0.00E+00	2.44E-09	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09
121	382508.81	3737541.72	1.54E-08	0.00E+00	0.00E+00	0.00E+00	1.54E-08	2.37E-09	0.00E+00	0.00E+00	0.00E+00	2.37E-09	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09
122	382528.81	3737541.72	1.49E-08	0.00E+00	0.00E+00	0.00E+00	1.49E-08	2.30E-09	0.00E+00	0.00E+00	0.00E+00	2.30E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09
123	382548.81	3737541.72	1.45E-08	0.00E+00	0.00E+00	0.00E+00	1.45E-08	2.23E-09	0.00E+00	0.00E+00	0.00E+00	2.23E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09
124	382568.81	3737541.72	1.40E-08	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.16E-09	0.00E+00	0.00E+00	0.00E+00	2.16E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09
125	382588.81	3737541.72	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.10E-09	0.00E+00	0.00E+00	0.00E+00	2.10E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09
126	382608.81	3737541.72	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
127	382628.81	3737541.72	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
128	382648.81	3737541.72	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
129	381628.81	3737562.02	1.34E-07	0.00E+00	0.00E+00	0.00E+00	1.34E-07	2.06E-08	0.00E+00	0.00E+00	0.00E+00	2.06E-08	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08
130	381648.81	3737562.02	1.25E-07	0.00E+00	0.00E+00	0.00E+00	1.25E-07	1.92E-08	0.00E+00	0.00E+00	0.00E+00	1.92E-08	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08
131	381668.81	3737562.02	1.16E-07	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.79E-08	0.00E+00	0.00E+00	0.00E+00	1.79E-08	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08
132	381688.81	3737562.02	1.09E-07	0.00E+00	0.00E+00	0.00E+00	1.09E-07	1.67E-08	0.00E+00	0.00E+00	0.00E+00	1.67E-08	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08
133	381708.81	3737562.02	1.01E-07	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.56E-08	0.00E+00	0.00E+00	0.00E+00	1.56E-08	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08
134	381728.81	3737562.02	9.45E-08	0.00E+00	0.00E+00	0.00E+00	9.45E-08	1.46E-08	0.00E+00	0.00E+00	0.00E+00	1.46E-08	9.67E-09	0.00E+00	0.00E+00	0.00E+00	9.67E-09
135	381748.81	3737562.02	8.82E-08	0.00E+00	0.00E+00	0.00E+00	8.82E-08	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	9.03E-09	0.00E+00	0.00E+00	0.00E+00	9.03E-09
136	381768.81	3737562.02	8.24E-08	0.00E+00	0.00E+00	0.00E+00	8.24E-08	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	8.44E-09	0.00E+00	0.00E+00	0.00E+00	8.44E-09
137	381788.81	3737562.02	7.71E-08	0.00E+00	0.00E+00	0.00E+00	7.71E-08	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	7.90E-09	0.00E+00	0.00E+00	0.00E+00	7.90E-09
138	381808.81	3737562.02	7.23E-08	0.00E+00	0.00E+00	0.00E+00	7.23E-08	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	7.41E-09	0.00E+00	0.00E+00	0.00E+00	7.41E-09
139	381828.81	3737562.02	6.79E-08	0.00E+00	0.00E+00	0.00E+00	6.79E-08	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	6.95E-09	0.00E+00	0.00E+00	0.00E+00	6.95E-09
140	381848.81	3737562.02	6.38E-08	0.00E+00	0.00E+00	0.00E+00	6.38E-08	9.83E-09	0.00E+00	0.00E+00	0.00E+00	9.83E-09	6.53E-09	0.00E+00	0.00E+00	0.00E+00	6.53E-09
141	381868.81	3737562.02	6.00E-08	0.00E+00	0.00E+00	0.00E+00	6.00E-08	9.24E-09	0.00E+00	0.00E+00	0.00E+00	9.24E-09	6.14E-09	0.00E+00	0.00E+00	0.00E+00	6.14E-09
142	381888.81	3737562.02	5.65E-08	0.00E+00	0.00E+00	0.00E+00	5.65E-08	8.71E-09	0.00E+00	0.00E+00	0.00E+00	8.71E-09	5.79E-09	0.00E+00	0.00E+00	0.00E+00	5.79E-09
143	381908.81	3737562.02	5.34E-08	0.00E+00	0.00E+00	0.00E+00	5.34E-08	8.23E-09	0.00E+00	0.00E+00	0.00E+00	8.23E-09	5.47E-09	0.00E+00	0.00E+00	0.00E+00	5.47E-09
144	381928.81	3737562.02	5.05E-08	0.00E+00	0.00E+00	0.00E+00	5.05E-08	7.78E-09	0.00E+00	0.00E+00	0.00E+00	7.78E-09	5.17E-09	0.00E+00	0.00E+00	0.00E+00	5.17E-09
145	381948.81	3737562.02	4.78E-08	0.00E+00	0.00E+00	0.00E+00	4.78E-08	7.37E-09	0.00E+00	0.00E+00	0.00E+00	7.37E-09	4.90E-09	0.00E+00	0.00E+00	0.00E+00	4.90E-09
146	381968.81	3737562.02	4.53E-08	0.00E+00	0.00E+00	0.00E+00	4.53E-08	6.98E-09	0.00E+00	0.00E+00	0.00E+00	6.98E-09	4.64E-09	0.00E+00	0.00E+00	0.00E+00	4.64E-09
147	381988.81	3737562.02	4.30E-08	0.00E+00	0.00E+00	0.00E+00	4.30E-08	6.63E-09	0.00E+00	0.00E+00	0.00E+00	6.63E-09	4.40E-09	0.00E+00	0.00E+00	0.00E+00	4.40E-09
148	382008.81	3737562.02	4.09E-08	0.00E+00	0.00E+00	0.00E+00	4.09E-08	6.30E-09	0.00E+00	0.00E+00	0.00E+00	6.30E-09	4.19E-09	0.00E+00	0.00E+00	0.00E+00	4.19E-09
149	382028.81	3737562.02	3.89E-08	0.00E+00	0.00E+00	0.00E+00	3.89E-08	6.00E-09	0.00E+00	0.00E+00	0.00E+00	6.00E-09	3.98E-09	0.00E+00	0.00E+00	0.00E+00	3.98E-09
150	382048.81	3737562.02	3.71E-08	0.00E+00	0.00E+00	0.00E+00	3.71E-08	5.71E-09	0.00E+00	0.00E+00	0.00E+00	5.71E-09	3.80E-09	0.00E+00	0.00E+00	0.00E+00	3.80E-09
151	382068.81	3737562.02	3.53E-08	0.00E+00	0.00E+00	0.00E+00	3.53E-08	5.45E-09	0.00E+00	0.00E+00	0.00E+00	5.45E-09	3.62E-09	0.00E+00	0.00E+00	0.00E+00	3.62E-09
152	382088.81	3737562.02	3.37E-08	0.00E+00	0.00E+00	0.00E+00	3.37E-08	5.20E-09	0.00E+00	0.00E+00	0.00E+00	5.20E-09	3.46E-09	0.00E+00	0.00E+00	0.00E+00	3.46E-09
153	382108.81	3737562.02	3.23E-08	0.00E+00	0.00E+00	0.00E+00	3.23E-08	4.97E-09	0.00E+00	0.00E+00	0.00E+00	4.97E-09	3.31E-09	0.00E+00	0.00E+00	0.00E+00	3.31E-09
154	382128.81	3737562.02	3.09E-08	0.00E+00	0.00E+00	0.00E+00	3.09E-08	4.76E-09	0.00E+00	0.00E+00	0.00E+00	4.76E-09	3.16E-09	0.00E+00	0.00E+00	0.00E+00	3.16E-09
155	382148.81	3737562.02	2.96E-08	0.00E+00	0.00E+00	0.00E+00	2.96E-08	4.56E-09	0.00E+00	0.00E+00	0.00E+00	4.56E-09	3.03E-09	0.00E+00	0.00E+00	0.00E+00	3.03E-09
156	382168.81	3737562.02	2.84E-08	0.00E+00	0.00E+00	0.00E+00	2.84E-08	4.37E-09	0.00E+00	0.00E+00	0.00E+00	4.37E-09	2.90E-09	0.00E+00	0.00E+00	0.00E+00	2.90E-09
157	382188.81	3737562.02	2.72E-08	0.00E+00	0.00E+00	0.00E+00	2.72E-08	4.19E-09	0.00E+00	0.00E+00	0.00E+00	4.19E-09	2.79E-09	0.00E+00	0.00E+00	0.00E+00	2.79E-09
158	382208.81	3737562.02	2.61E-08	0.00E+00	0.00E+00	0.00E+00	2.61E-08	4.03E-09	0.00E+00	0.00E+00	0.00E+00	4.03E-09	2.68E-09	0.00E+00	0.00E+00	0.00E+00	2.68E-09
159	382228.81	3737562.02	2.51E-08	0.00E+00	0.00E+00	0.00E+00	2.51E-08	3.87E-09	0.00E+00	0.00E+00	0.00E+00	3.87E-09	2.57E-09	0.00E+00	0.00E+00	0.00E+00	2.57E-09
160	382248.81	3737562.02	2.41E-08	0.00E+00	0.00E+00	0.00E+00	2.41E-08	3.72E-09	0.00E+00	0.00E+00	0.00E+00	3.72E-09	2.47E-09	0.00E+00	0.00E+00	0.00E+00	2.47E-09
161	382268.81	3737562.02	2.32E-08	0.00E+00	0.00E+00	0.00E+00	2.32E-08	3.58E-09	0.00E+00	0.00E+00	0.00E+00	3.58E-09	2.38E-09	0.00E+00	0.00E+00	0.00E+00	2.38E-09
162	382288.81	3737562.02	2.24E-08	0.00E+00	0.00E+00	0.00E+00	2.24E-08	3.45E-09	0.00E+00	0.00E+00	0.00E+00	3.45E-09	2.29E-09	0.00E+00	0.00E+00	0.00E+00	2.29E-09
163	382308.81	3737562.02	2.16E-08	0.00E+00	0.00E+00	0.00E+00	2.16E-08	3.32E-09	0.00E+00	0.00E+00	0.00E+00	3.32E-09	2.21E-09	0.00E+00	0.00E+00	0.00E+00	2.21E-09
164	382328.81	3737562.02	2.08E-08	0.00E+00	0.00E+00	0.00E+00	2.08E-08	3.21E-09	0.00E+00	0.00E+00	0.00E+00	3.21E-09	2.13E-09	0.00E+00	0.00E+00	0.00E+00	2.13E-09
165	382348.81	3737562.02	2.01E-08	0.00E+00	0.00E+00	0.00E+00	2.01E-08	3.10E-09	0.00E+00	0.00E+00	0.00E+00	3.10E-09	2.06E-09	0.00E+00	0.00E+00	0.00E+00	2.06E-09
166	382368.81	3737562.02	1.94E-08	0.00E+00	0.00E+00	0.00E+00	1.94E-08	2.99E-09	0.00E+00	0.00E+00	0.00E+00	2.99E-09	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09
167	382388.81	3737562.02	1.87E-08	0.00E+00	0.00E+00	0.00E+00	1.87E-08	2.89E-09	0.00E+00	0.00E+00	0.00E+00	2.89E-09	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09
168	382408.81	3737562.02	1.81E-08	0.00E+00	0.00E+00	0.00E+00	1.81E-08	2.79E-09	0.00E+00	0.00E+00	0.00E+00	2.79E-09	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09
169	382428.81	3737562.02	1.75E-08	0.00E+00	0.00E+00	0.00E+00	1.75E-08	2.70E-09	0.00E+00	0.00E+00	0.00E+00	2.70E-09	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09
170	382448.81	3737562.02	1.70E-08	0.00E+00	0.00E+00	0.00E+00	1.70E-08	2.61E-09	0.00E+00	0.00E+00	0.00E+00	2.61E-09	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09
171	382468.81	3737562.02	1.64E-08	0.00E+00	0.00E+00	0.00E+00	1.64E-08	2.53E-09	0.00E+00	0.00E+00	0.00E+00	2.53E-09	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09
172	382488.81	3737562.02	1.59E-08	0.00E+00	0.00E+00	0.00E+00	1.59E-08	2.45E-09	0.00E+00	0.00E+00	0.00E+00	2.45E-09	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09
173	382508.81	3737562.02	1.54E-08	0.00E+00	0.00E+00	0.00E+00	1.54E-08	2.38E-09	0.00E+00	0.00E+00	0.00E+00	2.38E-09	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09
174	382528.81	3737562.02	1.50E-08	0.00E+00	0.00E+00	0.00E+00	1.50E-08	2.31E-09	0.00E+00	0.00E+00	0.00E+00	2.31E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09
175	382548.81	3737562.02	1.45E-08	0.00E+00	0.00E+00	0.00E+00	1.45E-08	2.24E-09	0.00E+00	0.00E+00	0.00E+00	2.24E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09
176	382568.81	3737562.02	1.41E-08	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.18E-09	0.00E+00	0.00E+00	0.00E+00	2.18E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09
177	382588.81	3737562.02	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.11E-09	0.00E+00	0.00E+00	0.00E+00	2.11E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
178	382608.81	3737562.02	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.06E-09	0.00E+00	0.00E+00	0.00E+00	2.06E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
179	382628.81	3737562.02	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
180	382648.81	3737562.02	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
181	381628.81	3737582.32	1.32E-07	0.00E+00	0.00E+00	0.00E+00	1.32E-07	2.03E-08	0.00E+00	0.00E+00	0.00E+00	2.03E-08	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08
182	381648.81	3737582.32	1.23E-07	0.00E+00	0.00E+00	0.00E+00	1.23E-07	1.90E-08	0.00E+00	0.00E+00	0.00E+00	1.90E-08	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08
183	381668.81	3737582.32	1.15E-07	0.00E+00	0.00E+00	0.00E+00	1.15E-07	1.78E-08	0.00E+00	0.00E+00	0.00E+00	1.78E-08	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08
184	381688.81	3737582.32	1.08E-07	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.66E-08	0.00E+00	0.00E+00	0.00E+00	1.66E-08	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08
185	381708.81	3737582.32	1.00E-07	0.00E+00	0.00E+00	0.00E+00	1.00E-07	1.55E-08	0.00E+00	0.00E+00	0.00E+00	1.55E-08	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08
186	381728.81	3737582.32	9.39E-08	0.00E+00	0.00E+00	0.00E+00	9.39E-08	1.45E-08	0.00E+00	0.00E+00	0.00E+00	1.45E-08	9.62E-09	0.00E+00	0.00E+00	0.00E+00	9.62E-09
187	381748.81	3737582.32	8.78E-08	0.00E+00	0.00E+00	0.00E+00	8.78E-08	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	8.99E-09	0.00E+00	0.00E+00	0.00E+00	8.99E-09
188	381768.81	3737582.32	8.21E-08	0.00E+00	0.00E+00	0.00E+00	8.21E-08	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	8.41E-09	0.00E+00	0.00E+00	0.00E+00	8.41E-09
189	381788.81	3737582.32	7.69E-08	0.00E+00	0.00E+00	0.00E+00	7.69E-08	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	7.88E-09	0.00E+00	0.00E+00	0.00E+00	7.88E-09
190	381808.81	3737582.32	7.22E-08	0.00E+00	0.00E+00	0.00E+00	7.22E-08	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	7.39E-09	0.00E+00	0.00E+00	0.00E+00	7.39E-09
191	381828.81	3737582.32	6.78E-08	0.00E+00	0.00E+00	0.00E+00	6.78E-08	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	6.94E-09	0.00E+00	0.00E+00	0.00E+00	6.94E-09
192	381848.81	3737582.32	6.37E-08	0.00E+00	0.00E+00	0.00E+00	6.37E-08	9.82E-09	0.00E+00	0.00E+00	0.00E+00	9.82E-09	6.53E-09	0.00E+00	0.00E+00	0.00E+00	6.53E-09
193	381868.81	3737582.32	6.00E-08	0.00E+00	0.00E+00	0.00E+00	6.00E-08	9.25E-09	0.00E+00	0.00E+00	0.00E+00	9.25E-09	6.15E-09	0.00E+00	0.00E+00	0.00E+00	6.15E-09
194	381888.81	3737582.32	5.66E-08	0.00E+00	0.00E+00	0.00E+00	5.66E-08	8.73E-09	0.00E+00	0.00E+00	0.00E+00	8.73E-09	5.80E-09	0.00E+00	0.00E+00	0.00E+00	5.80E-09
195	381908.81	3737582.32	5.35E-08	0.00E+00	0.00E+00	0.00E+00	5.35E-08	8.24E-09	0.00E+00	0.00E+00	0.00E+00	8.24E-09	5.48E-09	0.00E+00	0.00E+00	0.00E+00	5.48E-09
196	381928.81	3737582.32	5.06E-08	0.00E+00	0.00E+00	0.00E+00	5.06E-08	7.79E-09	0.00E+00	0.00E+00	0.00E+00	7.79E-09	5.18E-09	0.00E+00	0.00E+00	0.00E+00	5.18E-09
197	381948.81	3737582.32	4.79E-08	0.00E+00	0.00E+00	0.00E+00	4.79E-08	7.38E-09	0.00E+00	0.00E+00	0.00E+00	7.38E-09	4.91E-09	0.00E+00	0.00E+00	0.00E+00	4.91E-09
198	381968.81	3737582.32	4.54E-08	0.00E+00	0.00E+00	0.00E+00	4.54E-08	7.00E-09	0.00E+00	0.00E+00	0.00E+00	7.00E-09	4.65E-09	0.00E+00	0.00E+00	0.00E+00	4.65E-09
199	381988.81	3737582.32	4.31E-08	0.00E+00	0.00E+00	0.00E+00	4.31E-08	6.65E-09	0.00E+00	0.00E+00	0.00E+00	6.65E-09	4.42E-09	0.00E+00	0.00E+00	0.00E+00	4.42E-09
200	382008.81	3737582.32	4.10E-08	0.00E+00	0.00E+00	0.00E+00	4.10E-08	6.32E-09	0.00E+00	0.00E+00	0.00E+00	6.32E-09	4.20E-09	0.00E+00	0.00E+00	0.00E+00	4.20E-09
201	382028.81	3737582.32	3.90E-08	0.00E+00	0.00E+00	0.00E+00	3.90E-08	6.01E-09	0.00E+00	0.00E+00	0.00E+00	6.01E-09	4.00E-09	0.00E+00	0.00E+00	0.00E+00	4.00E-09
202	382048.81	3737582.32	3.72E-08	0.00E+00	0.00E+00	0.00E+00	3.72E-08	5.73E-09	0.00E+00	0.00E+00	0.00E+00	5.73E-09	3.81E-09	0.00E+00	0.00E+00	0.00E+00	3.81E-09
203	382068.81	3737582.32	3.54E-08	0.00E+00	0.00E+00	0.00E+00	3.54E-08	5.46E-09	0.00E+00	0.00E+00	0.00E+00	5.46E-09	3.63E-09	0.00E+00	0.00E+00	0.00E+00	3.63E-09
204	382088.81	3737582.32	3.39E-08	0.00E+00	0.00E+00	0.00E+00	3.39E-08	5.22E-09	0.00E+00	0.00E+00	0.00E+00	5.22E-09	3.47E-09	0.00E+00	0.00E+00	0.00E+00	3.47E-09
205	382108.81	3737582.32	3.24E-08	0.00E+00	0.00E+00	0.00E+00	3.24E-08	4.99E-09	0.00E+00	0.00E+00	0.00E+00	4.99E-09	3.32E-09	0.00E+00	0.00E+00	0.00E+00	3.32E-09
206	382128.81	3737582.32	3.10E-08	0.00E+00	0.00E+00	0.00E+00	3.10E-08	4.78E-09	0.00E+00	0.00E+00	0.00E+00	4.78E-09	3.18E-09	0.00E+00	0.00E+00	0.00E+00	3.18E-09

207	382148.81	3737582.32	2.97E-08	0.00E+00	0.00E+00	0.00E+00	2.97E-08	4.58E-09	0.00E+00	0.00E+00	0.00E+00	4.58E-09	3.04E-09	0.00E+00	0.00E+00	0.00E+00	3.04E-09
208	382168.81	3737582.32	2.85E-08	0.00E+00	0.00E+00	0.00E+00	2.85E-08	4.39E-09	0.00E+00	0.00E+00	0.00E+00	4.39E-09	2.92E-09	0.00E+00	0.00E+00	0.00E+00	2.92E-09
209	382188.81	3737582.32	2.73E-08	0.00E+00	0.00E+00	0.00E+00	2.73E-08	4.21E-09	0.00E+00	0.00E+00	0.00E+00	4.21E-09	2.80E-09	0.00E+00	0.00E+00	0.00E+00	2.80E-09
210	382208.81	3737582.32	2.63E-08	0.00E+00	0.00E+00	0.00E+00	2.63E-08	4.05E-09	0.00E+00	0.00E+00	0.00E+00	4.05E-09	2.69E-09	0.00E+00	0.00E+00	0.00E+00	2.69E-09
211	382228.81	3737582.32	2.52E-08	0.00E+00	0.00E+00	0.00E+00	2.52E-08	3.89E-09	0.00E+00	0.00E+00	0.00E+00	3.89E-09	2.58E-09	0.00E+00	0.00E+00	0.00E+00	2.58E-09
212	382248.81	3737582.32	2.43E-08	0.00E+00	0.00E+00	0.00E+00	2.43E-08	3.74E-09	0.00E+00	0.00E+00	0.00E+00	3.74E-09	2.48E-09	0.00E+00	0.00E+00	0.00E+00	2.48E-09
213	382268.81	3737582.32	2.34E-08	0.00E+00	0.00E+00	0.00E+00	2.34E-08	3.60E-09	0.00E+00	0.00E+00	0.00E+00	3.60E-09	2.39E-09	0.00E+00	0.00E+00	0.00E+00	2.39E-09
214	382288.81	3737582.32	2.25E-08	0.00E+00	0.00E+00	0.00E+00	2.25E-08	3.47E-09	0.00E+00	0.00E+00	0.00E+00	3.47E-09	2.30E-09	0.00E+00	0.00E+00	0.00E+00	2.30E-09
215	382308.81	3737582.32	2.17E-08	0.00E+00	0.00E+00	0.00E+00	2.17E-08	3.34E-09	0.00E+00	0.00E+00	0.00E+00	3.34E-09	2.22E-09	0.00E+00	0.00E+00	0.00E+00	2.22E-09
216	382328.81	3737582.32	2.09E-08	0.00E+00	0.00E+00	0.00E+00	2.09E-08	3.22E-09	0.00E+00	0.00E+00	0.00E+00	3.22E-09	2.14E-09	0.00E+00	0.00E+00	0.00E+00	2.14E-09
217	382348.81	3737582.32	2.02E-08	0.00E+00	0.00E+00	0.00E+00	2.02E-08	3.11E-09	0.00E+00	0.00E+00	0.00E+00	3.11E-09	2.07E-09	0.00E+00	0.00E+00	0.00E+00	2.07E-09
218	382368.81	3737582.32	1.95E-08	0.00E+00	0.00E+00	0.00E+00	1.95E-08	3.00E-09	0.00E+00	0.00E+00	0.00E+00	3.00E-09	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09
219	382388.81	3737582.32	1.88E-08	0.00E+00	0.00E+00	0.00E+00	1.88E-08	2.90E-09	0.00E+00	0.00E+00	0.00E+00	2.90E-09	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09
220	382408.81	3737582.32	1.82E-08	0.00E+00	0.00E+00	0.00E+00	1.82E-08	2.81E-09	0.00E+00	0.00E+00	0.00E+00	2.81E-09	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09
221	382428.81	3737582.32	1.76E-08	0.00E+00	0.00E+00	0.00E+00	1.76E-08	2.72E-09	0.00E+00	0.00E+00	0.00E+00	2.72E-09	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09
222	382448.81	3737582.32	1.71E-08	0.00E+00	0.00E+00	0.00E+00	1.71E-08	2.63E-09	0.00E+00	0.00E+00	0.00E+00	2.63E-09	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09
223	382468.81	3737582.32	1.65E-08	0.00E+00	0.00E+00	0.00E+00	1.65E-08	2.54E-09	0.00E+00	0.00E+00	0.00E+00	2.54E-09	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09
224	382488.81	3737582.32	1.60E-08	0.00E+00	0.00E+00	0.00E+00	1.60E-08	2.47E-09	0.00E+00	0.00E+00	0.00E+00	2.47E-09	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09
225	382508.81	3737582.32	1.55E-08	0.00E+00	0.00E+00	0.00E+00	1.55E-08	2.39E-09	0.00E+00	0.00E+00	0.00E+00	2.39E-09	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09
226	382528.81	3737582.32	1.50E-08	0.00E+00	0.00E+00	0.00E+00	1.50E-08	2.32E-09	0.00E+00	0.00E+00	0.00E+00	2.32E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09
227	382548.81	3737582.32	1.46E-08	0.00E+00	0.00E+00	0.00E+00	1.46E-08	2.25E-09	0.00E+00	0.00E+00	0.00E+00	2.25E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09
228	382568.81	3737582.32	1.42E-08	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.19E-09	0.00E+00	0.00E+00	0.00E+00	2.19E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09
229	382588.81	3737582.32	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.12E-09	0.00E+00	0.00E+00	0.00E+00	2.12E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
230	382608.81	3737582.32	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.06E-09	0.00E+00	0.00E+00	0.00E+00	2.06E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
231	382628.81	3737582.32	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
232	382648.81	3737582.32	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
233	381628.81	3737602.62	1.30E-07	0.00E+00	0.00E+00	0.00E+00	1.30E-07	2.00E-08	0.00E+00	0.00E+00	0.00E+00	2.00E-08	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08
234	381648.81	3737602.62	1.22E-07	0.00E+00	0.00E+00	0.00E+00	1.22E-07	1.87E-08	0.00E+00	0.00E+00	0.00E+00	1.87E-08	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08
235	381668.81	3737602.62	1.14E-07	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.75E-08	0.00E+00	0.00E+00	0.00E+00	1.75E-08	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08
236	381688.81	3737602.62	1.07E-07	0.00E+00	0.00E+00	0.00E+00	1.07E-07	1.64E-08	0.00E+00	0.00E+00	0.00E+00	1.64E-08	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08
237	381708.81	3737602.62	9.97E-08	0.00E+00	0.00E+00	0.00E+00	9.97E-08	1.54E-08	0.00E+00	0.00E+00	0.00E+00	1.54E-08	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08
238	381728.81	3737602.62	9.33E-08	0.00E+00	0.00E+00	0.00E+00	9.33E-08	1.44E-08	0.00E+00	0.00E+00	0.00E+00	1.44E-08	9.55E-09	0.00E+00	0.00E+00	0.00E+00	9.55E-09
239	381748.81	3737602.62	8.73E-08	0.00E+00	0.00E+00	0.00E+00	8.73E-08	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	8.94E-09	0.00E+00	0.00E+00	0.00E+00	8.94E-09
240	381768.81	3737602.62	8.18E-08	0.00E+00	0.00E+00	0.00E+00	8.18E-08	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	8.38E-09	0.00E+00	0.00E+00	0.00E+00	8.38E-09
241	381788.81	3737602.62	7.67E-08	0.00E+00	0.00E+00	0.00E+00	7.67E-08	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	7.86E-09	0.00E+00	0.00E+00	0.00E+00	7.86E-09
242	381808.81	3737602.62	7.21E-08	0.00E+00	0.00E+00	0.00E+00	7.21E-08	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	7.38E-09	0.00E+00	0.00E+00	0.00E+00	7.38E-09
243	381828.81	3737602.62	6.77E-08	0.00E+00	0.00E+00	0.00E+00	6.77E-08	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	6.94E-09	0.00E+00	0.00E+00	0.00E+00	6.94E-09
244	381848.81	3737602.62	6.37E-08	0.00E+00	0.00E+00	0.00E+00	6.37E-08	9.82E-09	0.00E+00	0.00E+00	0.00E+00	9.82E-09	6.53E-09	0.00E+00	0.00E+00	0.00E+00	6.53E-09
245	381868.81	3737602.62	6.01E-08	0.00E+00	0.00E+00	0.00E+00	6.01E-08	9.26E-09	0.00E+00	0.00E+00	0.00E+00	9.26E-09	6.15E-09	0.00E+00	0.00E+00	0.00E+00	6.15E-09
246	381888.81	3737602.62	5.67E-08	0.00E+00	0.00E+00	0.00E+00	5.67E-08	8.73E-09	0.00E+00	0.00E+00	0.00E+00	8.73E-09	5.80E-09	0.00E+00	0.00E+00	0.00E+00	5.80E-09
247	381908.81	3737602.62	5.35E-08	0.00E+00	0.00E+00	0.00E+00	5.35E-08	8.25E-09	0.00E+00	0.00E+00	0.00E+00	8.25E-09	5.48E-09	0.00E+00	0.00E+00	0.00E+00	5.48E-09
248	381928.81	3737602.62	5.07E-08	0.00E+00	0.00E+00	0.00E+00	5.07E-08	7.81E-09	0.00E+00	0.00E+00	0.00E+00	7.81E-09	5.19E-09	0.00E+00	0.00E+00	0.00E+00	5.19E-09
249	381948.81	3737602.62	4.80E-08	0.00E+00	0.00E+00	0.00E+00	4.80E-08	7.40E-09	0.00E+00	0.00E+00	0.00E+00	7.40E-09	4.92E-09	0.00E+00	0.00E+00	0.00E+00	4.92E-09
250	381968.81	3737602.62	4.55E-08	0.00E+00	0.00E+00	0.00E+00	4.55E-08	7.01E-09	0.00E+00	0.00E+00	0.00E+00	7.01E-09	4.66E-09	0.00E+00	0.00E+00	0.00E+00	4.66E-09
251	381988.81	3737602.62	4.32E-08	0.00E+00	0.00E+00	0.00E+00	4.32E-08	6.66E-09	0.00E+00	0.00E+00	0.00E+00	6.66E-09	4.43E-09	0.00E+00	0.00E+00	0.00E+00	4.43E-09
252	382008.81	3737602.62	4.11E-08	0.00E+00	0.00E+00	0.00E+00	4.11E-08	6.34E-09	0.00E+00	0.00E+00	0.00E+00	6.34E-09	4.21E-09	0.00E+00	0.00E+00	0.00E+00	4.21E-09
253	382028.81	3737602.62	3.91E-08	0.00E+00	0.00E+00	0.00E+00	3.91E-08	6.03E-09	0.00E+00	0.00E+00	0.00E+00	6.03E-09	4.01E-09	0.00E+00	0.00E+00	0.00E+00	4.01E-09
254	382048.81	3737602.62	3.73E-08	0.00E+00	0.00E+00	0.00E+00	3.73E-08	5.75E-09	0.00E+00	0.00E+00	0.00E+00	5.75E-09	3.82E-09	0.00E+00	0.00E+00	0.00E+00	3.82E-09
255	382068.81	3737602.62	3.56E-08	0.00E+00	0.00E+00	0.00E+00	3.56E-08	5.48E-09	0.00E+00	0.00E+00	0.00E+00	5.48E-09	3.64E-09	0.00E+00	0.00E+00	0.00E+00	3.64E-09
256	382088.81	3737602.62	3.40E-08	0.00E+00	0.00E+00	0.00E+00	3.40E-08	5.24E-09	0.00E+00	0.00E+00	0.00E+00	5.24E-09	3.48E-09	0.00E+00	0.00E+00	0.00E+00	3.48E-09
257	382108.81	3737602.62	3.25E-08	0.00E+00	0.00E+00	0.00E+00	3.25E-08	5.01E-09	0.00E+00	0.00E+00	0.00E+00	5.01E-09	3.33E-09	0.00E+00	0.00E+00	0.00E+00	3.33E-09
258	382128.81	3737602.62	3.11E-08	0.00E+00	0.00E+00	0.00E+00	3.11E-08	4.80E-09	0.00E+00	0.00E+00	0.00E+00	4.80E-09	3.19E-09	0.00E+00	0.00E+00	0.00E+00	3.19E-09
259	382148.81	3737602.62	2.98E-08	0.00E+00	0.00E+00	0.00E+00	2.98E-08	4.60E-09	0.00E+00	0.00E+00	0.00E+00	4.60E-09	3.05E-09	0.00E+00	0.00E+00	0.00E+00	3.05E-09
260	382168.81	3737602.62	2.86E-08	0.00E+00	0.00E+00	0.00E+00	2.86E-08	4.41E-09	0.00E+00	0.00E+00	0.00E+00	4.41E-09	2.93E-09	0.00E+00	0.00E+00	0.00E+00	2.93E-09
261	382188.81	3737602.62	2.74E-08	0.00E+00	0.00E+00	0.00E+00	2.74E-08	4.23E-09	0.00E+00	0.00E+00	0.00E+00	4.23E-09	2.81E-09	0.00E+00	0.00E+00	0.00E+00	2.81E-09
262	382208.81	3737602.62	2.64E-08	0.00E+00	0.00E+00	0.00E+00	2.64E-08	4.06E-09	0.00E+00	0.00E+00	0.00E+00	4.06E-09	2.70E-09	0.00E+00	0.00E+00	0.00E+00	2.70E-09
263	382228.81	3737602.62	2.53E-08	0.00E+00	0.00E+00	0.00E+00	2.53E-08	3.90E-09	0.00E+00	0.00E+00	0.00E+00	3.90E-09	2.59E-09	0.00E+00	0.00E+00	0.00E+00	2.59E-09
264	382248.81	3737602.62	2.44E-08	0.00E+00	0.00E+00	0.00E+00	2.44E-08	3.76E-09	0.00E+00	0.00E+00	0.00E+00	3.76E-09	2.50E-09	0.00E+00	0.00E+00	0.00E+00	2.50E-09
265	382268.81	3737602.62	2.35E-08	0.00E+00	0.00E+00	0.00E+00	2.35E-08	3.62E-09	0.00E+00	0.00E+00	0.00E+00	3.62E-09	2.40E-09	0.00E+00	0.00E+00	0.00E+00	2.40E-09
266	382288.81	3737602.62	2.26E-08	0.00E+00	0.00E+00	0.00E+00	2.26E-08	3.48E-09	0.00E+00	0.00E+00	0.00E+00	3.48E-09	2.31E-09	0.00E+00	0.00E+00	0.00E+00	2.31E-09
267	382308.81	3737602.62	2.18E-08	0.00E+00	0.00E+00	0.00E+00	2.18E-08	3.36E-09	0.00E+00	0.00E+00	0.00E+00	3.36E-09	2.23E-09	0.00E+00	0.00E+00	0.00E+00	2.23E-09
268	382328.81	3737602.62	2.10E-08	0.00E+00	0.00E+00	0.00E+00	2.10E-08	3.24E-09	0.00E+00	0.00E+00	0.00E+00	3.24E-09	2.15E-09	0.00E+00	0.00E+00	0.00E+00	2.15E-09
269	382348.81	3737602.62	2.03E-08	0.00E+00	0.00E+00	0.00E+00	2.03E-08	3.13E-09	0.00E+00	0.00E+00	0.00E+00	3.13E-09	2.08E-09	0.00E+00	0.00E+00	0.00E+00	2.08E-09
270	382368.81	3737602.62	1.96E-08	0.00E+00	0.00E+00	0.00E+00	1.96E-08	3.02E-09	0.00E+00	0.00E+00	0.00E+00	3.02E-09	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09
271	382388.81	3737602.62	1.89E-08	0.00E+00	0.00E+00	0.00E+00	1.89E-08	2.92E-09	0.00E+00	0.00E+00	0.00E+00	2.92E-09	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09
272	382408.81	3737602.62	1.83E-08	0.00E+00	0.00E+00	0.00E+00	1.83E-08	2.82E-09	0.00E+00	0.00E+00	0.00E+00	2.82E-09	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09
273	382428.81	3737602.62	1.77E-08	0.00E+00	0.00E+00	0.00E+00	1.77E-08	2.73E-09	0.00E+00	0.00E+00	0.00E+00	2.73E-09	1.81E-09	0.00E+00	0.00E+00	0.00E+00	1.81E-09
274	382448.81	3737602.62	1.71E-08	0.00E+00	0.00E+00	0.00E+00	1.71E-08	2.64E-09	0.00E+00	0.00E+00	0.00E+00	2.64E-09	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09
275	382468.81	3737602.62	1.66E-08	0.00E+00	0.00E+00	0.00E+00	1.66E-08	2.56E-09	0.00E+00	0.00E+00	0.00E+00	2.56E-09	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09
276	382488.81	3737602.62	1.61E-08	0.00E+00	0.00E+00	0.00E+00	1.61E-08	2.48E-09	0.00E+00	0.00E+00	0.00E+00	2.48E-09	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09
277	382508.81	3737602.62	1.56E-08	0.00E+00	0.00E+00	0.00E+00	1.56E-08	2.40E-09	0.00E+00	0.00E+00	0.00E+00	2.40E-09	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09
278	382528.81	3737602.62	1.51E-08	0.00E+00	0.00E+00	0.00E+00	1.51E-08	2.33E-09	0.00E+00	0.00E+00	0.00E+00	2.33E-09	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09
279	382548.81	3737602.62	1.47E-08	0.00E+00	0.00E+00	0.00E+00	1.47E-08	2.26E-09	0.00E+00	0.00E+00	0.00E+00	2.26E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09
280	382568.81	3737602.62	1.42E-08	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.20E-09	0.00E+00	0.00E+00	0.00E+00	2.20E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09
281	382588.81	3737602.62	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.13E-09	0.00E+00	0.00E+00	0.00E+00	2.13E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09
282	382608.81	3737602.62	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.07E-09	0.00E+00	0.00E+00	0.00E+00	2.07E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
283	382628.81	3737602.62	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
284	382648.81	3737602.62	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
285	381628.81	3737622.92	1.28E-07	0.00E+00	0.00E+00	0.00E+00	1.28E-07	1.97E-08	0.00E+00	0.00E+00	0.00E+00	1.97E-08	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08
286	381648.81	3737622.92	1.20E-07	0.00E+00	0.00E+00	0.00E+00	1.20E-07	1.85E-08	0.00E+00	0.00E+00	0.00E+00	1.85E-08	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08
287	381668.81	3737622.92	1.12E-07	0.00E+00	0.00E+00	0.00E+00	1.12E-07	1.73E-08	0.00E+00	0.00E+00	0.00E+00	1.73E-08	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08
288	381688.81	3737622.92	1.05E-07	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.62E-08	0.00E+00	0.00E+00	0.00E+00	1.62E-08	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08
289	381708.81	3737622.92	9.88E-08	0.00E+00	0.00E+00	0.00E+00	9.88E-08	1.52E-08	0.00E+00	0.00E+00	0.00E+00	1.52E-08	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08
290	381728.81	3737622.92	9.26E-08	0.00E+00	0.00E+00	0.00E+00	9.26E-08	1.43E-08	0.00E+00	0.00E+00	0.00E+00	1.43E-08	9.48E-09	0.00E+00	0.00E+00	0.00E+00	9.48E-09
291	381748.81	3737622.92	8.68E-08	0.00E+00	0.00E+00	0.00E+00	8.68E-08	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	8.89E-09	0.00E+00	0.00E+00	0.00E+00	8.89E-09
292	381768.81	3737622.92	8.14E-08	0.00E+00	0.00E+00	0.00E+00	8.14E-08	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	8.34E-09	0.00E+00	0.00E+00	0.00E+00	8.34E-09
293	381788.81	3737622.92	7.65E-08	0.00E+00	0.00E+00	0.00E+00	7.65E-08	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	7.84E-09	0.00E+00	0.00E+00	0.00E+00	7.84E-09
294	381808.81	3737622.92	7.19E-08	0.00E+00	0.00E+00	0.00E+00	7.19E-08	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	7.37E-09	0.00E+00	0.00E+00	0.00E+00	7.37E-09
295	381828.81	3737622.92	6.77E-08	0.00E+00	0.00E+00	0.00E+00	6.77E-08	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	6.93E-09	0.00E+00	0.00E+00	0.00E+00	6.93E-09
296	381848.81	3737622.92	6.37E-08	0.00E+00	0.00E+00	0.00E+00	6.37E-08	9.82E-09	0.00E+00	0.00E+00	0.00E+00	9.82E-09	6.53E-09	0.00E+00	0.00E+00	0.00E+00	6.53E-09
297	381868.81	3737622.92	6.01E-08	0.00E+00	0.00E+00	0.00E+00	6.01E-08	9.26E-09	0.00E+00	0.00E+00	0.00E+00	9.26E-09	6.15E-09	0.00E+00	0.00E+00	0.00E+00	6.15E-09
298	381888.81	3737622.92	5.67E-08	0.00E+00	0.00E+00	0.00E+00	5.67E-08	8.74E-09	0.00E+00	0.00E+00	0.00E+00	8.74E-09	5.81E-09	0.00E+00	0.00E+00	0.00E+00	5.81E-09
299	381908.81	3737622.92	5.36E-08	0.00E+00	0.00E+00	0.00E+00	5.36E-08	8.26E-09	0.00E+00	0.00E+00	0.00E+00	8.26E-09	5.49E-09	0.00E+00	0.00E+00	0.00E+00	5.49E-09
300	381928.81	3737622.92	5.07E-08	0.00E+00	0.00E+00	0.00E+00	5.07E-08	7.82E-09	0.00E+00	0.00E+00	0.00E+00	7.82E-09	5.20E-09	0.00E+00	0.00E+00	0.00E+00	5.20E-09
301	381948.81	3737622.92	4.81E-08	0.00E+00	0.00E+00	0.00E+00	4.81E-08	7.41E-09	0.00E+00	0.00E+00	0.00E+00	7.41E-09	4.92E-09	0.00E+00	0.00E+00	0.00E+00	4.92E-09
302	381968.81	3737622.92	4.56E-08	0.00E+00	0.00E+00	0.00E+00	4.56E-08	7.03E-09	0.00E+00	0.00E+00	0.00E+00	7.03E-09	4.67E-09	0.00E+00	0.00E+00	0.00E+00	4.67E-09
303	381988.81	3737622.92	4.33E-08	0.00E+00	0.00E+00	0.00E+00	4.33E-08	6.68E-09	0.00E+00	0.00E+00	0.00E+00	6.68E-09	4.44E-09	0.00E+00	0.00E+00	0.00E+00	4.44E-09
304	382008.81	3737622.92	4.12E-08	0.00E+00	0.00E+00	0.00E+00	4.12E-08	6.35E-09	0.00E+00	0.00E+00	0.00E+00	6.35E-09	4.22E-09	0.00E+00	0.00E+00	0.00E+00	4.22E-09
305	382028.81	3737622.92	3.92E-08	0.00E+00	0.00E+00	0.00E+00	3.92E-08	6.05E-09	0.00E+00	0.00E+00	0.00E+00	6.05E-09	4.02E-09	0.00E+00	0.00E+00	0.00E+00	4.02E-09
306	382048.81	3737622.92	3.74E-08	0.00E+00	0.00E+00	0.00E+00	3.74E-08	5.77E-09	0.00E+00	0.00E+00	0.00E+00	5.77E-09	3.83E-09	0.00E+00	0.00E+00	0.00E+00	3.83E-09
307	382068.81	3737622.92	3.57E-08	0.00E+00	0.00E+00	0.00E+00	3.57E-08	5.50E-09	0.00E+00	0.00E+00	0.00E+00	5.50E-09	3.66E-09	0.00E+00	0.00E+00	0.00E+00	3.66E-09
308	382088.81	3737622.92	3.41E-08	0.00E+00	0.00E+00	0.00E+00	3.41E-08	5.26E-09	0.00E+00	0.00E+00	0.00E+00	5.26E-09	3.49E-09	0.00E+00	0.00E+00	0.00E+00	3.49E-09
309	382108.81	3737622.92	3.26E-08	0.00E+00	0.00E+00	0.00E+00	3.26E-08	5.03E-09	0.00E+00	0.00E+00	0.00E+00	5.03E-09	3.34E-09	0.00E+00	0.00E+00	0.00E+00	3.34E-09
310	382128.81	3737622.92	3.12E-08	0.00E+00	0.00E+00	0.00E+00	3.12E-08	4.81E-09	0.00E+00	0.00E+00	0.00E+00	4.81E-09	3.20E-09	0.00E+00	0.00E+00	0.00E+00	3.20E-09
311	382148.81	3737622.92	2.99E-08	0.00E+00	0.00E+00	0.00E+00	2.99E-08	4.61E-09	0.00E+00	0.00E+00	0.00E+00	4.61E-09	3.07E-09	0.00E+00	0.00E+00	0.00E+00	3.07E-09

312	382168.81	3737622.92	2.87E-08	0.00E+00	0.00E+00	0.00E+00	2.87E-08	4.42E-09	0.00E+00	0.00E+00	0.00E+00	4.42E-09	2.94E-09	0.00E+00	0.00E+00	0.00E+00	2.94E-09
313	382188.81	3737622.92	2.76E-08	0.00E+00	0.00E+00	0.00E+00	2.76E-08	4.25E-09	0.00E+00	0.00E+00	0.00E+00	4.25E-09	2.82E-09	0.00E+00	0.00E+00	0.00E+00	2.82E-09
314	382208.81	3737622.92	2.65E-08	0.00E+00	0.00E+00	0.00E+00	2.65E-08	4.08E-09	0.00E+00	0.00E+00	0.00E+00	4.08E-09	2.71E-09	0.00E+00	0.00E+00	0.00E+00	2.71E-09
315	382228.81	3737622.92	2.54E-08	0.00E+00	0.00E+00	0.00E+00	2.54E-08	3.92E-09	0.00E+00	0.00E+00	0.00E+00	3.92E-09	2.61E-09	0.00E+00	0.00E+00	0.00E+00	2.61E-09
316	382248.81	3737622.92	2.45E-08	0.00E+00	0.00E+00	0.00E+00	2.45E-08	3.77E-09	0.00E+00	0.00E+00	0.00E+00	3.77E-09	2.51E-09	0.00E+00	0.00E+00	0.00E+00	2.51E-09
317	382268.81	3737622.92	2.36E-08	0.00E+00	0.00E+00	0.00E+00	2.36E-08	3.63E-09	0.00E+00	0.00E+00	0.00E+00	3.63E-09	2.41E-09	0.00E+00	0.00E+00	0.00E+00	2.41E-09
318	382288.81	3737622.92	2.27E-08	0.00E+00	0.00E+00	0.00E+00	2.27E-08	3.50E-09	0.00E+00	0.00E+00	0.00E+00	3.50E-09	2.33E-09	0.00E+00	0.00E+00	0.00E+00	2.33E-09
319	382308.81	3737622.92	2.19E-08	0.00E+00	0.00E+00	0.00E+00	2.19E-08	3.37E-09	0.00E+00	0.00E+00	0.00E+00	3.37E-09	2.24E-09	0.00E+00	0.00E+00	0.00E+00	2.24E-09
320	382328.81	3737622.92	2.11E-08	0.00E+00	0.00E+00	0.00E+00	2.11E-08	3.25E-09	0.00E+00	0.00E+00	0.00E+00	3.25E-09	2.16E-09	0.00E+00	0.00E+00	0.00E+00	2.16E-09
321	382348.81	3737622.92	2.04E-08	0.00E+00	0.00E+00	0.00E+00	2.04E-08	3.14E-09	0.00E+00	0.00E+00	0.00E+00	3.14E-09	2.09E-09	0.00E+00	0.00E+00	0.00E+00	2.09E-09
322	382368.81	3737622.92	1.97E-08	0.00E+00	0.00E+00	0.00E+00	1.97E-08	3.03E-09	0.00E+00	0.00E+00	0.00E+00	3.03E-09	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09
323	382388.81	3737622.92	1.90E-08	0.00E+00	0.00E+00	0.00E+00	1.90E-08	2.93E-09	0.00E+00	0.00E+00	0.00E+00	2.93E-09	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09
324	382408.81	3737622.92	1.84E-08	0.00E+00	0.00E+00	0.00E+00	1.84E-08	2.84E-09	0.00E+00	0.00E+00	0.00E+00	2.84E-09	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09
325	382428.81	3737622.92	1.78E-08	0.00E+00	0.00E+00	0.00E+00	1.78E-08	2.74E-09	0.00E+00	0.00E+00	0.00E+00	2.74E-09	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09
326	382448.81	3737622.92	1.72E-08	0.00E+00	0.00E+00	0.00E+00	1.72E-08	2.65E-09	0.00E+00	0.00E+00	0.00E+00	2.65E-09	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09
327	382468.81	3737622.92	1.67E-08	0.00E+00	0.00E+00	0.00E+00	1.67E-08	2.57E-09	0.00E+00	0.00E+00	0.00E+00	2.57E-09	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09
328	382488.81	3737622.92	1.62E-08	0.00E+00	0.00E+00	0.00E+00	1.62E-08	2.49E-09	0.00E+00	0.00E+00	0.00E+00	2.49E-09	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09
329	382508.81	3737622.92	1.57E-08	0.00E+00	0.00E+00	0.00E+00	1.57E-08	2.41E-09	0.00E+00	0.00E+00	0.00E+00	2.41E-09	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09
330	382528.81	3737622.92	1.52E-08	0.00E+00	0.00E+00	0.00E+00	1.52E-08	2.34E-09	0.00E+00	0.00E+00	0.00E+00	2.34E-09	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09
331	382548.81	3737622.92	1.47E-08	0.00E+00	0.00E+00	0.00E+00	1.47E-08	2.27E-09	0.00E+00	0.00E+00	0.00E+00	2.27E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09
332	382568.81	3737622.92	1.43E-08	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.21E-09	0.00E+00	0.00E+00	0.00E+00	2.21E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09
333	382588.81	3737622.92	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.14E-09	0.00E+00	0.00E+00	0.00E+00	2.14E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
334	382608.81	3737622.92	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.08E-09	0.00E+00	0.00E+00	0.00E+00	2.08E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
335	382628.81	3737622.92	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
336	382648.81	3737622.92	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
337	381628.81	3737643.22	1.25E-07	0.00E+00	0.00E+00	0.00E+00	1.25E-07	1.93E-08	0.00E+00	0.00E+00	0.00E+00	1.93E-08	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08
338	381648.81	3737643.22	1.18E-07	0.00E+00	0.00E+00	0.00E+00	1.18E-07	1.82E-08	0.00E+00	0.00E+00	0.00E+00	1.82E-08	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08
339	381668.81	3737643.22	1.11E-07	0.00E+00	0.00E+00	0.00E+00	1.11E-07	1.71E-08	0.00E+00	0.00E+00	0.00E+00	1.71E-08	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08
340	381688.81	3737643.22	1.04E-07	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.61E-08	0.00E+00	0.00E+00	0.00E+00	1.61E-08	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08
341	381708.81	3737643.22	9.79E-08	0.00E+00	0.00E+00	0.00E+00	9.79E-08	1.51E-08	0.00E+00	0.00E+00	0.00E+00	1.51E-08	1.00E-08	0.00E+00	0.00E+00	0.00E+00	1.00E-08
342	381728.81	3737643.22	9.18E-08	0.00E+00	0.00E+00	0.00E+00	9.18E-08	1.42E-08	0.00E+00	0.00E+00	0.00E+00	1.42E-08	9.41E-09	0.00E+00	0.00E+00	0.00E+00	9.41E-09
343	381748.81	3737643.22	8.62E-08	0.00E+00	0.00E+00	0.00E+00	8.62E-08	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	8.83E-09	0.00E+00	0.00E+00	0.00E+00	8.83E-09
344	381768.81	3737643.22	8.10E-08	0.00E+00	0.00E+00	0.00E+00	8.10E-08	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	8.30E-09	0.00E+00	0.00E+00	0.00E+00	8.30E-09
345	381788.81	3737643.22	7.62E-08	0.00E+00	0.00E+00	0.00E+00	7.62E-08	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	7.81E-09	0.00E+00	0.00E+00	0.00E+00	7.81E-09
346	381808.81	3737643.22	7.17E-08	0.00E+00	0.00E+00	0.00E+00	7.17E-08	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	7.35E-09	0.00E+00	0.00E+00	0.00E+00	7.35E-09
347	381828.81	3737643.22	6.75E-08	0.00E+00	0.00E+00	0.00E+00	6.75E-08	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	6.92E-09	0.00E+00	0.00E+00	0.00E+00	6.92E-09
348	381848.81	3737643.22	6.36E-08	0.00E+00	0.00E+00	0.00E+00	6.36E-08	9.81E-09	0.00E+00	0.00E+00	0.00E+00	9.81E-09	6.52E-09	0.00E+00	0.00E+00	0.00E+00	6.52E-09
349	381868.81	3737643.22	6.00E-08	0.00E+00	0.00E+00	0.00E+00	6.00E-08	9.25E-09	0.00E+00	0.00E+00	0.00E+00	9.25E-09	6.15E-09	0.00E+00	0.00E+00	0.00E+00	6.15E-09
350	381888.81	3737643.22	5.67E-08	0.00E+00	0.00E+00	0.00E+00	5.67E-08	8.74E-09	0.00E+00	0.00E+00	0.00E+00	8.74E-09	5.81E-09	0.00E+00	0.00E+00	0.00E+00	5.81E-09
351	381908.81	3737643.22	5.36E-08	0.00E+00	0.00E+00	0.00E+00	5.36E-08	8.26E-09	0.00E+00	0.00E+00	0.00E+00	8.26E-09	5.49E-09	0.00E+00	0.00E+00	0.00E+00	5.49E-09
352	381928.81	3737643.22	5.08E-08	0.00E+00	0.00E+00	0.00E+00	5.08E-08	7.83E-09	0.00E+00	0.00E+00	0.00E+00	7.83E-09	5.20E-09	0.00E+00	0.00E+00	0.00E+00	5.20E-09
353	381948.81	3737643.22	4.81E-08	0.00E+00	0.00E+00	0.00E+00	4.81E-08	7.42E-09	0.00E+00	0.00E+00	0.00E+00	7.42E-09	4.93E-09	0.00E+00	0.00E+00	0.00E+00	4.93E-09
354	381968.81	3737643.22	4.57E-08	0.00E+00	0.00E+00	0.00E+00	4.57E-08	7.04E-09	0.00E+00	0.00E+00	0.00E+00	7.04E-09	4.68E-09	0.00E+00	0.00E+00	0.00E+00	4.68E-09
355	381988.81	3737643.22	4.34E-08	0.00E+00	0.00E+00	0.00E+00	4.34E-08	6.69E-09	0.00E+00	0.00E+00	0.00E+00	6.69E-09	4.45E-09	0.00E+00	0.00E+00	0.00E+00	4.45E-09
356	382008.81	3737643.22	4.13E-08	0.00E+00	0.00E+00	0.00E+00	4.13E-08	6.36E-09	0.00E+00	0.00E+00	0.00E+00	6.36E-09	4.23E-09	0.00E+00	0.00E+00	0.00E+00	4.23E-09
357	382028.81	3737643.22	3.93E-08	0.00E+00	0.00E+00	0.00E+00	3.93E-08	6.06E-09	0.00E+00	0.00E+00	0.00E+00	6.06E-09	4.03E-09	0.00E+00	0.00E+00	0.00E+00	4.03E-09
358	382048.81	3737643.22	3.75E-08	0.00E+00	0.00E+00	0.00E+00	3.75E-08	5.78E-09	0.00E+00	0.00E+00	0.00E+00	5.78E-09	3.84E-09	0.00E+00	0.00E+00	0.00E+00	3.84E-09
359	382068.81	3737643.22	3.58E-08	0.00E+00	0.00E+00	0.00E+00	3.58E-08	5.52E-09	0.00E+00	0.00E+00	0.00E+00	5.52E-09	3.67E-09	0.00E+00	0.00E+00	0.00E+00	3.67E-09
360	382088.81	3737643.22	3.42E-08	0.00E+00	0.00E+00	0.00E+00	3.42E-08	5.27E-09	0.00E+00	0.00E+00	0.00E+00	5.27E-09	3.51E-09	0.00E+00	0.00E+00	0.00E+00	3.51E-09
361	382108.81	3737643.22	3.27E-08	0.00E+00	0.00E+00	0.00E+00	3.27E-08	5.04E-09	0.00E+00	0.00E+00	0.00E+00	5.04E-09	3.35E-09	0.00E+00	0.00E+00	0.00E+00	3.35E-09
362	382128.81	3737643.22	3.13E-08	0.00E+00	0.00E+00	0.00E+00	3.13E-08	4.83E-09	0.00E+00	0.00E+00	0.00E+00	4.83E-09	3.21E-09	0.00E+00	0.00E+00	0.00E+00	3.21E-09
363	382148.81	3737643.22	3.00E-08	0.00E+00	0.00E+00	0.00E+00	3.00E-08	4.63E-09	0.00E+00	0.00E+00	0.00E+00	4.63E-09	3.08E-09	0.00E+00	0.00E+00	0.00E+00	3.08E-09
364	382168.81	3737643.22	2.88E-08	0.00E+00	0.00E+00	0.00E+00	2.88E-08	4.44E-09	0.00E+00	0.00E+00	0.00E+00	4.44E-09	2.95E-09	0.00E+00	0.00E+00	0.00E+00	2.95E-09
365	382188.81	3737643.22	2.77E-08	0.00E+00	0.00E+00	0.00E+00	2.77E-08	4.26E-09	0.00E+00	0.00E+00	0.00E+00	4.26E-09	2.83E-09	0.00E+00	0.00E+00	0.00E+00	2.83E-09
366	382208.81	3737643.22	2.66E-08	0.00E+00	0.00E+00	0.00E+00	2.66E-08	4.09E-09	0.00E+00	0.00E+00	0.00E+00	4.09E-09	2.72E-09	0.00E+00	0.00E+00	0.00E+00	2.72E-09
367	382228.81	3737643.22	2.56E-08	0.00E+00	0.00E+00	0.00E+00	2.56E-08	3.94E-09	0.00E+00	0.00E+00	0.00E+00	3.94E-09	2.62E-09	0.00E+00	0.00E+00	0.00E+00	2.62E-09
368	382248.81	3737643.22	2.46E-08	0.00E+00	0.00E+00	0.00E+00	2.46E-08	3.79E-09	0.00E+00	0.00E+00	0.00E+00	3.79E-09	2.52E-09	0.00E+00	0.00E+00	0.00E+00	2.52E-09
369	382268.81	3737643.22	2.37E-08	0.00E+00	0.00E+00	0.00E+00	2.37E-08	3.65E-09	0.00E+00	0.00E+00	0.00E+00	3.65E-09	2.42E-09	0.00E+00	0.00E+00	0.00E+00	2.42E-09
370	382288.81	3737643.22	2.28E-08	0.00E+00	0.00E+00	0.00E+00	2.28E-08	3.52E-09	0.00E+00	0.00E+00	0.00E+00	3.52E-09	2.34E-09	0.00E+00	0.00E+00	0.00E+00	2.34E-09
371	382308.81	3737643.22	2.20E-08	0.00E+00	0.00E+00	0.00E+00	2.20E-08	3.39E-09	0.00E+00	0.00E+00	0.00E+00	3.39E-09	2.25E-09	0.00E+00	0.00E+00	0.00E+00	2.25E-09
372	382328.81	3737643.22	2.12E-08	0.00E+00	0.00E+00	0.00E+00	2.12E-08	3.27E-09	0.00E+00	0.00E+00	0.00E+00	3.27E-09	2.17E-09	0.00E+00	0.00E+00	0.00E+00	2.17E-09
373	382348.81	3737643.22	2.05E-08	0.00E+00	0.00E+00	0.00E+00	2.05E-08	3.16E-09	0.00E+00	0.00E+00	0.00E+00	3.16E-09	2.10E-09	0.00E+00	0.00E+00	0.00E+00	2.10E-09
374	382368.81	3737643.22	1.98E-08	0.00E+00	0.00E+00	0.00E+00	1.98E-08	3.05E-09	0.00E+00	0.00E+00	0.00E+00	3.05E-09	2.03E-09	0.00E+00	0.00E+00	0.00E+00	2.03E-09
375	382388.81	3737643.22	1.91E-08	0.00E+00	0.00E+00	0.00E+00	1.91E-08	2.95E-09	0.00E+00	0.00E+00	0.00E+00	2.95E-09	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09
376	382408.81	3737643.22	1.85E-08	0.00E+00	0.00E+00	0.00E+00	1.85E-08	2.85E-09	0.00E+00	0.00E+00	0.00E+00	2.85E-09	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09
377	382428.81	3737643.22	1.79E-08	0.00E+00	0.00E+00	0.00E+00	1.79E-08	2.76E-09	0.00E+00	0.00E+00	0.00E+00	2.76E-09	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09
378	382448.81	3737643.22	1.73E-08	0.00E+00	0.00E+00	0.00E+00	1.73E-08	2.67E-09	0.00E+00	0.00E+00	0.00E+00	2.67E-09	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09
379	382468.81	3737643.22	1.68E-08	0.00E+00	0.00E+00	0.00E+00	1.68E-08	2.59E-09	0.00E+00	0.00E+00	0.00E+00	2.59E-09	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09
380	382488.81	3737643.22	1.62E-08	0.00E+00	0.00E+00	0.00E+00	1.62E-08	2.50E-09	0.00E+00	0.00E+00	0.00E+00	2.50E-09	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09
381	382508.81	3737643.22	1.58E-08	0.00E+00	0.00E+00	0.00E+00	1.58E-08	2.43E-09	0.00E+00	0.00E+00	0.00E+00	2.43E-09	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09
382	382528.81	3737643.22	1.53E-08	0.00E+00	0.00E+00	0.00E+00	1.53E-08	2.36E-09	0.00E+00	0.00E+00	0.00E+00	2.36E-09	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09
383	382548.81	3737643.22	1.48E-08	0.00E+00	0.00E+00	0.00E+00	1.48E-08	2.28E-09	0.00E+00	0.00E+00	0.00E+00	2.28E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09
384	382568.81	3737643.22	1.44E-08	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.22E-09	0.00E+00	0.00E+00	0.00E+00	2.22E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09
385	382588.81	3737643.22	1.40E-08	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.15E-09	0.00E+00	0.00E+00	0.00E+00	2.15E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
386	382608.81	3737643.22	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.09E-09	0.00E+00	0.00E+00	0.00E+00	2.09E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
387	382628.81	3737643.22	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
388	382648.81	3737643.22	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
389	381628.81	3737663.52	1.23E-07	0.00E+00	0.00E+00	0.00E+00	1.23E-07	1.90E-08	0.00E+00	0.00E+00	0.00E+00	1.90E-08	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08
390	381648.81	3737663.52	1.16E-07	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.79E-08	0.00E+00	0.00E+00	0.00E+00	1.79E-08	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08
391	381668.81	3737663.52	1.10E-07	0.00E+00	0.00E+00	0.00E+00	1.10E-07	1.69E-08	0.00E+00	0.00E+00	0.00E+00	1.69E-08	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08
392	381688.81	3737663.52	1.03E-07	0.00E+00	0.00E+00	0.00E+00	1.03E-07	1.59E-08	0.00E+00	0.00E+00	0.00E+00	1.59E-08	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08
393	381708.81	3737663.52	9.69E-08	0.00E+00	0.00E+00	0.00E+00	9.69E-08	1.49E-08	0.00E+00	0.00E+00	0.00E+00	1.49E-08	9.93E-09	0.00E+00	0.00E+00	0.00E+00	9.93E-09
394	381728.81	3737663.52	9.11E-08	0.00E+00	0.00E+00	0.00E+00	9.11E-08	1.40E-08	0.00E+00	0.00E+00	0.00E+00	1.40E-08	9.33E-09	0.00E+00	0.00E+00	0.00E+00	9.33E-09
395	381748.81	3737663.52	8.57E-08	0.00E+00	0.00E+00	0.00E+00	8.57E-08	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	8.78E-09	0.00E+00	0.00E+00	0.00E+00	8.78E-09
396	381768.81	3737663.52	8.06E-08	0.00E+00	0.00E+00	0.00E+00	8.06E-08	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	8.26E-09	0.00E+00	0.00E+00	0.00E+00	8.26E-09
397	381788.81	3737663.52	7.59E-08	0.00E+00	0.00E+00	0.00E+00	7.59E-08	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	7.78E-09	0.00E+00	0.00E+00	0.00E+00	7.78E-09
398	381808.81	3737663.52	7.15E-08	0.00E+00	0.00E+00	0.00E+00	7.15E-08	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	7.32E-09	0.00E+00	0.00E+00	0.00E+00	7.32E-09
399	381828.81	3737663.52	6.74E-08	0.00E+00	0.00E+00	0.00E+00	6.74E-08	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	6.90E-09	0.00E+00	0.00E+00	0.00E+00	6.90E-09
400	381848.81	3737663.52	6.35E-08	0.00E+00	0.00E+00	0.00E+00	6.35E-08	9.79E-09	0.00E+00	0.00E+00	0.00E+00	9.79E-09	6.51E-09	0.00E+00	0.00E+00	0.00E+00	6.51E-09
401	381868.81	3737663.52	6.00E-08	0.00E+00	0.00E+00	0.00E+00	6.00E-08	9.24E-09	0.00E+00	0.00E+00	0.00E+00	9.24E-09	6.14E-09	0.00E+00	0.00E+00	0.00E+00	6.14E-09
402	381888.81	3737663.52	5.67E-08	0.00E+00	0.00E+00	0.00E+00	5.67E-08	8.74E-09	0.00E+00	0.00E+00	0.00E+00	8.74E-09	5.81E-09	0.00E+00	0.00E+00	0.00E+00	5.81E-09
403	381908.81	3737663.52	5.36E-08	0.00E+00	0.00E+00	0.00E+00	5.36E-08	8.27E-09	0.00E+00	0.00E+00	0.00E+00	8.27E-09	5.49E-09	0.00E+00	0.00E+00	0.00E+00	5.49E-09
404	381928.81	3737663.52	5.08E-08	0.00E+00	0.00E+00	0.00E+00	5.08E-08	7.83E-09	0.00E+00	0.00E+00	0.00E+00	7.83E-09	5.20E-09	0.00E+00	0.00E+00	0.00E+00	5.20E-09
405	381948.81	3737663.52	4.82E-08	0.00E+00	0.00E+00	0.00E+00	4.82E-08	7.43E-09	0.00E+00	0.00E+00	0.00E+00	7.43E-09	4.93E-09	0.00E+00	0.00E+00	0.00E+00	4.93E-09
406	381968.81	3737663.52	4.57E-08	0.00E+00	0.00E+00	0.00E+00	4.57E-08	7.05E-09	0.00E+00	0.00E+00	0.00E+00	7.05E-09	4.68E-09	0.00E+00	0.00E+00	0.00E+00	4.68E-09
407	381988.81	3737663.52	4.34E-08	0.00E+00	0.00E+00	0.00E+00	4.34E-08	6.70E-09	0.00E+00	0.00E+00	0.00E+00	6.70E-09	4.45E-09	0.00E+00	0.00E+00	0.00E+00	4.45E-09
408	382008.81	3737663.52	4.13E-08	0.00E+00	0.00E+00	0.00E+00	4.13E-08	6.37E-09	0.00E+00	0.00E+00	0.00E+00	6.37E-09	4.23E-09	0.00E+00	0.00E+00	0.00E+00	4.23E-09
409	382028.81	3737663.52	3.94E-08	0.00E+00	0.00E+00	0.00E+00	3.94E-08	6.07E-09	0.00E+00	0.00E+00	0.00E+00	6.07E-09	4.03E-09	0.00E+00	0.00E+00	0.00E+00	4.03E-09
410	382048.81	3737663.52	3.76E-08	0.00E+00	0.00E+00	0.00E+00	3.76E-08	5.79E-09	0.00E+00	0.00E+00	0.00E+00	5.79E-09	3.85E-09	0.00E+00	0.00E+00	0.00E+00	3.85E-09
411	382068.81	3737663.52	3.59E-08	0.00E+00	0.00E+00	0.00E+00	3.59E-08	5.53E-09	0.00E+00	0.00E+00	0.00E+00	5.53E-09	3.68E-09	0.00E+00	0.00E+00	0.00E+00	3.68E-09
412	382088.81	3737663.52	3.43E-08	0.00E+00	0.00E+00	0.00E+00	3.43E-08	5.29E-09	0.00E+00	0.00E+00	0.00E+00	5.29E-09	3.51E-09	0.00E+00	0.00E+00	0.00E+00	3.51E-09
413	382108.81	3737663.52	3.28E-08	0.00E+00	0.00E+00	0.00E+00	3.28E-08	5.06E-09	0.00E+00	0.00E+00	0.00E+00	5.06E-09	3.36E-09	0.00E+00	0.00E+00	0.00E+00	3.36E-09
414	382128.81	3737663.52	3.14E-08	0.00E+00	0.00E+00	0.00E+00	3.14E-08	4.84E-09	0.00E+00	0.00E+00	0.00E+00	4.84E-09	3.22E-09	0.00E+00	0.00E+00	0.00E+00	3.22E-09
415	382148.81	3737663.52	3.01E-08	0.00E+00	0.00E+00	0.00E+00	3.01E-08	4.64E-09	0.00E+00	0.00E+00	0.00E+00	4.64E-09	3.09E-09	0.00E+00	0.00E+00	0.00E+00	3.09E-09
416	382168.81	3737663.52	2.89E-08	0.00E+00	0.00E+00	0.00E+00	2.89E-08	4.46E-09	0.00E+00	0.00E+00	0.00E+00	4.46E-09	2.96E-09	0.00E+00	0.00E+00	0.00E+00	2.96E-09

417	382188.81	3737663.52	2.78E-08	0.00E+00	0.00E+00	0.00E+00	2.78E-08	4.28E-09	0.00E+00	0.00E+00	0.00E+00	4.28E-09	2.84E-09	0.00E+00	0.00E+00	0.00E+00	2.84E-09
418	382208.81	3737663.52	2.67E-08	0.00E+00	0.00E+00	0.00E+00	2.67E-08	4.11E-09	0.00E+00	0.00E+00	0.00E+00	4.11E-09	2.73E-09	0.00E+00	0.00E+00	0.00E+00	2.73E-09
419	382228.81	3737663.52	2.56E-08	0.00E+00	0.00E+00	0.00E+00	2.56E-08	3.95E-09	0.00E+00	0.00E+00	0.00E+00	3.95E-09	2.63E-09	0.00E+00	0.00E+00	0.00E+00	2.63E-09
420	382248.81	3737663.52	2.47E-08	0.00E+00	0.00E+00	0.00E+00	2.47E-08	3.80E-09	0.00E+00	0.00E+00	0.00E+00	3.80E-09	2.53E-09	0.00E+00	0.00E+00	0.00E+00	2.53E-09
421	382268.81	3737663.52	2.38E-08	0.00E+00	0.00E+00	0.00E+00	2.38E-08	3.66E-09	0.00E+00	0.00E+00	0.00E+00	3.66E-09	2.43E-09	0.00E+00	0.00E+00	0.00E+00	2.43E-09
422	382288.81	3737663.52	2.29E-08	0.00E+00	0.00E+00	0.00E+00	2.29E-08	3.53E-09	0.00E+00	0.00E+00	0.00E+00	3.53E-09	2.35E-09	0.00E+00	0.00E+00	0.00E+00	2.35E-09
423	382308.81	3737663.52	2.21E-08	0.00E+00	0.00E+00	0.00E+00	2.21E-08	3.40E-09	0.00E+00	0.00E+00	0.00E+00	3.40E-09	2.26E-09	0.00E+00	0.00E+00	0.00E+00	2.26E-09
424	382328.81	3737663.52	2.13E-08	0.00E+00	0.00E+00	0.00E+00	2.13E-08	3.28E-09	0.00E+00	0.00E+00	0.00E+00	3.28E-09	2.18E-09	0.00E+00	0.00E+00	0.00E+00	2.18E-09
425	382348.81	3737663.52	2.06E-08	0.00E+00	0.00E+00	0.00E+00	2.06E-08	3.17E-09	0.00E+00	0.00E+00	0.00E+00	3.17E-09	2.11E-09	0.00E+00	0.00E+00	0.00E+00	2.11E-09
426	382368.81	3737663.52	1.99E-08	0.00E+00	0.00E+00	0.00E+00	1.99E-08	3.06E-09	0.00E+00	0.00E+00	0.00E+00	3.06E-09	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09
427	382388.81	3737663.52	1.92E-08	0.00E+00	0.00E+00	0.00E+00	1.92E-08	2.96E-09	0.00E+00	0.00E+00	0.00E+00	2.96E-09	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09
428	382408.81	3737663.52	1.86E-08	0.00E+00	0.00E+00	0.00E+00	1.86E-08	2.86E-09	0.00E+00	0.00E+00	0.00E+00	2.86E-09	1.90E-09	0.00E+00	0.00E+00	0.00E+00	1.90E-09
429	382428.81	3737663.52	1.80E-08	0.00E+00	0.00E+00	0.00E+00	1.80E-08	2.77E-09	0.00E+00	0.00E+00	0.00E+00	2.77E-09	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09
430	382448.81	3737663.52	1.74E-08	0.00E+00	0.00E+00	0.00E+00	1.74E-08	2.68E-09	0.00E+00	0.00E+00	0.00E+00	2.68E-09	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09
431	382468.81	3737663.52	1.69E-08	0.00E+00	0.00E+00	0.00E+00	1.69E-08	2.60E-09	0.00E+00	0.00E+00	0.00E+00	2.60E-09	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09
432	382488.81	3737663.52	1.63E-08	0.00E+00	0.00E+00	0.00E+00	1.63E-08	2.52E-09	0.00E+00	0.00E+00	0.00E+00	2.52E-09	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09
433	382508.81	3737663.52	1.58E-08	0.00E+00	0.00E+00	0.00E+00	1.58E-08	2.44E-09	0.00E+00	0.00E+00	0.00E+00	2.44E-09	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09
434	382528.81	3737663.52	1.54E-08	0.00E+00	0.00E+00	0.00E+00	1.54E-08	2.37E-09	0.00E+00	0.00E+00	0.00E+00	2.37E-09	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09
435	382548.81	3737663.52	1.49E-08	0.00E+00	0.00E+00	0.00E+00	1.49E-08	2.30E-09	0.00E+00	0.00E+00	0.00E+00	2.30E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09
436	382568.81	3737663.52	1.45E-08	0.00E+00	0.00E+00	0.00E+00	1.45E-08	2.23E-09	0.00E+00	0.00E+00	0.00E+00	2.23E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09
437	382588.81	3737663.52	1.41E-08	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.17E-09	0.00E+00	0.00E+00	0.00E+00	2.17E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09
438	382608.81	3737663.52	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.10E-09	0.00E+00	0.00E+00	0.00E+00	2.10E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09
439	382628.81	3737663.52	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
440	382648.81	3737663.52	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
441	381628.81	3737683.82	1.21E-07	0.00E+00	0.00E+00	0.00E+00	1.21E-07	1.86E-08	0.00E+00	0.00E+00	0.00E+00	1.86E-08	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08
442	381648.81	3737683.82	1.14E-07	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.76E-08	0.00E+00	0.00E+00	0.00E+00	1.76E-08	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08
443	381668.81	3737683.82	1.08E-07	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.66E-08	0.00E+00	0.00E+00	0.00E+00	1.66E-08	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08
444	381688.81	3737683.82	1.02E-07	0.00E+00	0.00E+00	0.00E+00	1.02E-07	1.57E-08	0.00E+00	0.00E+00	0.00E+00	1.57E-08	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08
445	381708.81	3737683.82	9.59E-08	0.00E+00	0.00E+00	0.00E+00	9.59E-08	1.48E-08	0.00E+00	0.00E+00	0.00E+00	1.48E-08	9.82E-09	0.00E+00	0.00E+00	0.00E+00	9.82E-09
446	381728.81	3737683.82	9.03E-08	0.00E+00	0.00E+00	0.00E+00	9.03E-08	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	9.25E-09	0.00E+00	0.00E+00	0.00E+00	9.25E-09
447	381748.81	3737683.82	8.51E-08	0.00E+00	0.00E+00	0.00E+00	8.51E-08	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	8.72E-09	0.00E+00	0.00E+00	0.00E+00	8.72E-09
448	381768.81	3737683.82	8.02E-08	0.00E+00	0.00E+00	0.00E+00	8.02E-08	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	8.21E-09	0.00E+00	0.00E+00	0.00E+00	8.21E-09
449	381788.81	3737683.82	7.56E-08	0.00E+00	0.00E+00	0.00E+00	7.56E-08	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	7.74E-09	0.00E+00	0.00E+00	0.00E+00	7.74E-09
450	381808.81	3737683.82	7.12E-08	0.00E+00	0.00E+00	0.00E+00	7.12E-08	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	7.30E-09	0.00E+00	0.00E+00	0.00E+00	7.30E-09
451	381828.81	3737683.82	6.72E-08	0.00E+00	0.00E+00	0.00E+00	6.72E-08	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	6.88E-09	0.00E+00	0.00E+00	0.00E+00	6.88E-09
452	381848.81	3737683.82	6.34E-08	0.00E+00	0.00E+00	0.00E+00	6.34E-08	9.77E-09	0.00E+00	0.00E+00	0.00E+00	9.77E-09	6.49E-09	0.00E+00	0.00E+00	0.00E+00	6.49E-09
453	381868.81	3737683.82	5.99E-08	0.00E+00	0.00E+00	0.00E+00	5.99E-08	9.23E-09	0.00E+00	0.00E+00	0.00E+00	9.23E-09	6.14E-09	0.00E+00	0.00E+00	0.00E+00	6.14E-09
454	381888.81	3737683.82	5.67E-08	0.00E+00	0.00E+00	0.00E+00	5.67E-08	8.73E-09	0.00E+00	0.00E+00	0.00E+00	8.73E-09	5.80E-09	0.00E+00	0.00E+00	0.00E+00	5.80E-09
455	381908.81	3737683.82	5.36E-08	0.00E+00	0.00E+00	0.00E+00	5.36E-08	8.26E-09	0.00E+00	0.00E+00	0.00E+00	8.26E-09	5.49E-09	0.00E+00	0.00E+00	0.00E+00	5.49E-09
456	381928.81	3737683.82	5.08E-08	0.00E+00	0.00E+00	0.00E+00	5.08E-08	7.83E-09	0.00E+00	0.00E+00	0.00E+00	7.83E-09	5.20E-09	0.00E+00	0.00E+00	0.00E+00	5.20E-09
457	381948.81	3737683.82	4.82E-08	0.00E+00	0.00E+00	0.00E+00	4.82E-08	7.43E-09	0.00E+00	0.00E+00	0.00E+00	7.43E-09	4.94E-09	0.00E+00	0.00E+00	0.00E+00	4.94E-09
458	381968.81	3737683.82	4.58E-08	0.00E+00	0.00E+00	0.00E+00	4.58E-08	7.05E-09	0.00E+00	0.00E+00	0.00E+00	7.05E-09	4.69E-09	0.00E+00	0.00E+00	0.00E+00	4.69E-09
459	381988.81	3737683.82	4.35E-08	0.00E+00	0.00E+00	0.00E+00	4.35E-08	6.70E-09	0.00E+00	0.00E+00	0.00E+00	6.70E-09	4.45E-09	0.00E+00	0.00E+00	0.00E+00	4.45E-09
460	382008.81	3737683.82	4.14E-08	0.00E+00	0.00E+00	0.00E+00	4.14E-08	6.38E-09	0.00E+00	0.00E+00	0.00E+00	6.38E-09	4.24E-09	0.00E+00	0.00E+00	0.00E+00	4.24E-09
461	382028.81	3737683.82	3.95E-08	0.00E+00	0.00E+00	0.00E+00	3.95E-08	6.08E-09	0.00E+00	0.00E+00	0.00E+00	6.08E-09	4.04E-09	0.00E+00	0.00E+00	0.00E+00	4.04E-09
462	382048.81	3737683.82	3.77E-08	0.00E+00	0.00E+00	0.00E+00	3.77E-08	5.80E-09	0.00E+00	0.00E+00	0.00E+00	5.80E-09	3.86E-09	0.00E+00	0.00E+00	0.00E+00	3.86E-09
463	382068.81	3737683.82	3.60E-08	0.00E+00	0.00E+00	0.00E+00	3.60E-08	5.54E-09	0.00E+00	0.00E+00	0.00E+00	5.54E-09	3.68E-09	0.00E+00	0.00E+00	0.00E+00	3.68E-09
464	382088.81	3737683.82	3.44E-08	0.00E+00	0.00E+00	0.00E+00	3.44E-08	5.30E-09	0.00E+00	0.00E+00	0.00E+00	5.30E-09	3.52E-09	0.00E+00	0.00E+00	0.00E+00	3.52E-09
465	382108.81	3737683.82	3.29E-08	0.00E+00	0.00E+00	0.00E+00	3.29E-08	5.07E-09	0.00E+00	0.00E+00	0.00E+00	5.07E-09	3.37E-09	0.00E+00	0.00E+00	0.00E+00	3.37E-09
466	382128.81	3737683.82	3.15E-08	0.00E+00	0.00E+00	0.00E+00	3.15E-08	4.86E-09	0.00E+00	0.00E+00	0.00E+00	4.86E-09	3.23E-09	0.00E+00	0.00E+00	0.00E+00	3.23E-09
467	382148.81	3737683.82	3.02E-08	0.00E+00	0.00E+00	0.00E+00	3.02E-08	4.66E-09	0.00E+00	0.00E+00	0.00E+00	4.66E-09	3.09E-09	0.00E+00	0.00E+00	0.00E+00	3.09E-09
468	382168.81	3737683.82	2.90E-08	0.00E+00	0.00E+00	0.00E+00	2.90E-08	4.47E-09	0.00E+00	0.00E+00	0.00E+00	4.47E-09	2.97E-09	0.00E+00	0.00E+00	0.00E+00	2.97E-09
469	382188.81	3737683.82	2.78E-08	0.00E+00	0.00E+00	0.00E+00	2.78E-08	4.29E-09	0.00E+00	0.00E+00	0.00E+00	4.29E-09	2.85E-09	0.00E+00	0.00E+00	0.00E+00	2.85E-09
470	382208.81	3737683.82	2.68E-08	0.00E+00	0.00E+00	0.00E+00	2.68E-08	4.12E-09	0.00E+00	0.00E+00	0.00E+00	4.12E-09	2.74E-09	0.00E+00	0.00E+00	0.00E+00	2.74E-09
471	382228.81	3737683.82	2.57E-08	0.00E+00	0.00E+00	0.00E+00	2.57E-08	3.97E-09	0.00E+00	0.00E+00	0.00E+00	3.97E-09	2.64E-09	0.00E+00	0.00E+00	0.00E+00	2.64E-09
472	382248.81	3737683.82	2.48E-08	0.00E+00	0.00E+00	0.00E+00	2.48E-08	3.82E-09	0.00E+00	0.00E+00	0.00E+00	3.82E-09	2.54E-09	0.00E+00	0.00E+00	0.00E+00	2.54E-09
473	382268.81	3737683.82	2.39E-08	0.00E+00	0.00E+00	0.00E+00	2.39E-08	3.68E-09	0.00E+00	0.00E+00	0.00E+00	3.68E-09	2.44E-09	0.00E+00	0.00E+00	0.00E+00	2.44E-09
474	382288.81	3737683.82	2.30E-08	0.00E+00	0.00E+00	0.00E+00	2.30E-08	3.54E-09	0.00E+00	0.00E+00	0.00E+00	3.54E-09	2.36E-09	0.00E+00	0.00E+00	0.00E+00	2.36E-09
475	382308.81	3737683.82	2.22E-08	0.00E+00	0.00E+00	0.00E+00	2.22E-08	3.42E-09	0.00E+00	0.00E+00	0.00E+00	3.42E-09	2.27E-09	0.00E+00	0.00E+00	0.00E+00	2.27E-09
476	382328.81	3737683.82	2.14E-08	0.00E+00	0.00E+00	0.00E+00	2.14E-08	3.30E-09	0.00E+00	0.00E+00	0.00E+00	3.30E-09	2.19E-09	0.00E+00	0.00E+00	0.00E+00	2.19E-09
477	382348.81	3737683.82	2.07E-08	0.00E+00	0.00E+00	0.00E+00	2.07E-08	3.18E-09	0.00E+00	0.00E+00	0.00E+00	3.18E-09	2.12E-09	0.00E+00	0.00E+00	0.00E+00	2.12E-09
478	382368.81	3737683.82	2.00E-08	0.00E+00	0.00E+00	0.00E+00	2.00E-08	3.08E-09	0.00E+00	0.00E+00	0.00E+00	3.08E-09	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09
479	382388.81	3737683.82	1.93E-08	0.00E+00	0.00E+00	0.00E+00	1.93E-08	2.98E-09	0.00E+00	0.00E+00	0.00E+00	2.98E-09	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09
480	382408.81	3737683.82	1.87E-08	0.00E+00	0.00E+00	0.00E+00	1.87E-08	2.88E-09	0.00E+00	0.00E+00	0.00E+00	2.88E-09	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09
481	382428.81	3737683.82	1.81E-08	0.00E+00	0.00E+00	0.00E+00	1.81E-08	2.78E-09	0.00E+00	0.00E+00	0.00E+00	2.78E-09	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09
482	382448.81	3737683.82	1.75E-08	0.00E+00	0.00E+00	0.00E+00	1.75E-08	2.70E-09	0.00E+00	0.00E+00	0.00E+00	2.70E-09	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09
483	382468.81	3737683.82	1.69E-08	0.00E+00	0.00E+00	0.00E+00	1.69E-08	2.61E-09	0.00E+00	0.00E+00	0.00E+00	2.61E-09	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09
484	382488.81	3737683.82	1.64E-08	0.00E+00	0.00E+00	0.00E+00	1.64E-08	2.53E-09	0.00E+00	0.00E+00	0.00E+00	2.53E-09	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09
485	382508.81	3737683.82	1.59E-08	0.00E+00	0.00E+00	0.00E+00	1.59E-08	2.45E-09	0.00E+00	0.00E+00	0.00E+00	2.45E-09	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09
486	382528.81	3737683.82	1.54E-08	0.00E+00	0.00E+00	0.00E+00	1.54E-08	2.38E-09	0.00E+00	0.00E+00	0.00E+00	2.38E-09	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09
487	382548.81	3737683.82	1.50E-08	0.00E+00	0.00E+00	0.00E+00	1.50E-08	2.31E-09	0.00E+00	0.00E+00	0.00E+00	2.31E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09
488	382568.81	3737683.82	1.45E-08	0.00E+00	0.00E+00	0.00E+00	1.45E-08	2.24E-09	0.00E+00	0.00E+00	0.00E+00	2.24E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09
489	382588.81	3737683.82	1.41E-08	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.18E-09	0.00E+00	0.00E+00	0.00E+00	2.18E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09
490	382608.81	3737683.82	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.12E-09	0.00E+00	0.00E+00	0.00E+00	2.12E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
491	382628.81	3737683.82	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.06E-09	0.00E+00	0.00E+00	0.00E+00	2.06E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
492	382648.81	3737683.82	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
493	381628.81	3737704.12	1.19E-07	0.00E+00	0.00E+00	0.00E+00	1.19E-07	1.83E-08	0.00E+00	0.00E+00	0.00E+00	1.83E-08	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08
494	381648.81	3737704.12	1.13E-07	0.00E+00	0.00E+00	0.00E+00	1.13E-07	1.73E-08	0.00E+00	0.00E+00	0.00E+00	1.73E-08	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08
495	381668.81	3737704.12	1.06E-07	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.64E-08	0.00E+00	0.00E+00	0.00E+00	1.64E-08	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08
496	381688.81	3737704.12	1.01E-07	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.55E-08	0.00E+00	0.00E+00	0.00E+00	1.55E-08	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08
497	381708.81	3737704.12	9.49E-08	0.00E+00	0.00E+00	0.00E+00	9.49E-08	1.46E-08	0.00E+00	0.00E+00	0.00E+00	1.46E-08	9.72E-09	0.00E+00	0.00E+00	0.00E+00	9.72E-09
498	381728.81	3737704.12	8.95E-08	0.00E+00	0.00E+00	0.00E+00	8.95E-08	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	9.17E-09	0.00E+00	0.00E+00	0.00E+00	9.17E-09
499	381748.81	3737704.12	8.45E-08	0.00E+00	0.00E+00	0.00E+00	8.45E-08	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	8.65E-09	0.00E+00	0.00E+00	0.00E+00	8.65E-09
500	381768.81	3737704.12	7.97E-08	0.00E+00	0.00E+00	0.00E+00	7.97E-08	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	8.16E-09	0.00E+00	0.00E+00	0.00E+00	8.16E-09
501	381788.81	3737704.12	7.52E-08	0.00E+00	0.00E+00	0.00E+00	7.52E-08	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	7.70E-09	0.00E+00	0.00E+00	0.00E+00	7.70E-09
502	381808.81	3737704.12	7.09E-08	0.00E+00	0.00E+00	0.00E+00	7.09E-08	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	7.27E-09	0.00E+00	0.00E+00	0.00E+00	7.27E-09
503	381828.81	3737704.12	6.70E-08	0.00E+00	0.00E+00	0.00E+00	6.70E-08	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	6.86E-09	0.00E+00	0.00E+00	0.00E+00	6.86E-09
504	381848.81	3737704.12	6.33E-08	0.00E+00	0.00E+00	0.00E+00	6.33E-08	9.75E-09	0.00E+00	0.00E+00	0.00E+00	9.75E-09	6.48E-09	0.00E+00	0.00E+00	0.00E+00	6.48E-09
505	381868.81	3737704.12	5.98E-08	0.00E+00	0.00E+00	0.00E+00	5.98E-08	9.22E-09	0.00E+00	0.00E+00	0.00E+00	9.22E-09	6.13E-09	0.00E+00	0.00E+00	0.00E+00	6.13E-09
506	381888.81	3737704.12	5.66E-08	0.00E+00	0.00E+00	0.00E+00	5.66E-08	8.72E-09	0.00E+00	0.00E+00	0.00E+00	8.72E-09	5.80E-09	0.00E+00	0.00E+00	0.00E+00	5.80E-09
507	381908.81	3737704.12	5.36E-08	0.00E+00	0.00E+00	0.00E+00	5.36E-08	8.26E-09	0.00E+00	0.00E+00	0.00E+00	8.26E-09	5.49E-09	0.00E+00	0.00E+00	0.00E+00	5.49E-09
508	381928.81	3737704.12	5.08E-08	0.00E+00	0.00E+00	0.00E+00	5.08E-08	7.83E-09	0.00E+00	0.00E+00	0.00E+00	7.83E-09	5.20E-09	0.00E+00	0.00E+00	0.00E+00	5.20E-09
509	381948.81	3737704.12	4.82E-08	0.00E+00	0.00E+00	0.00E+00	4.82E-08	7.43E-09	0.00E+00	0.00E+00	0.00E+00	7.43E-09	4.94E-09	0.00E+00	0.00E+00	0.00E+00	4.94E-09
510	381968.81	3737704.12	4.58E-08	0.00E+00	0.00E+00	0.00E+00	4.58E-08	7.06E-09	0.00E+00	0.00E+00	0.00E+00	7.06E-09	4.69E-09	0.00E+00	0.00E+00	0.00E+00	4.69E-09
511	381988.81	3737704.12	4.35E-08	0.00E+00	0.00E+00	0.00E+00	4.35E-08	6.71E-09	0.00E+00	0.00E+00	0.00E+00	6.71E-09	4.46E-09	0.00E+00	0.00E+00	0.00E+00	4.46E-09
512	382008.81	3737704.12	4.15E-08	0.00E+00	0.00E+00	0.00E+00	4.15E-08	6.39E-09	0.00E+00	0.00E+00	0.00E+00	6.39E-09	4.25E-09	0.00E+00	0.00E+00	0.00E+00	4.25E-09
513	382028.81	3737704.12	3.95E-08	0.00E+00	0.00E+00	0.00E+00	3.95E-08	6.09E-09	0.00E+00	0.00E+00	0.00E+00	6.09E-09	4.05E-09	0.00E+00	0.00E+00	0.00E+00	4.05E-09
514	382048.81	3737704.12	3.77E-08	0.00E+00	0.00E+00	0.00E+00	3.77E-08	5.82E-09	0.00E+00	0.00E+00	0.00E+00	5.82E-09	3.87E-09	0.00E+00	0.00E+00	0.00E+00	3.87E-09
515	382068.81	3737704.12	3.61E-08	0.00E+00	0.00E+00	0.00E+00	3.61E-08	5.56E-09	0.00E+00	0.00E+00	0.00E+00	5.56E-09	3.69E-09	0.00E+00	0.00E+00	0.00E+00	3.69E-09
516	382088.81	3737704.12	3.45E-08	0.00E+00	0.00E+00	0.00E+00	3.45E-08	5.31E-09	0.00E+00	0.00E+00	0.00E+00	5.31E-09	3.53E-09	0.00E+00	0.00E+00	0.00E+00	3.53E-09
517	382108.81	3737704.12	3.30E-08	0.00E+00	0.00E+00	0.00E+00	3.30E-08	5.09E-09	0.00E+00	0.00E+00	0.00E+00	5.09E-09	3.38E-09	0.00E+00	0.00E+00	0.00E+00	3.38E-09
518	382128.81	3737704.12	3.16E-08	0.00E+00	0.00E+00	0.00E+00	3.16E-08	4.87E-09	0.00E+00	0.00E+00	0.00E+00	4.87E-09	3.24E-09	0.00E+00	0.00E+00	0.00E+00	3.24E-09
519	382148.81	3737704.12	3.03E-08	0.00E+00	0.00E+00	0.00E+00	3.03E-08	4.67E-09	0.00E+00	0.00E+00	0.00E+00	4.67E-09	3.10E-09	0.00E+00	0.00E+00	0.00E+00	3.10E-09
520	382168.81	3737704.12	2.91E-08	0.00E+00	0.00E+00	0.00E+00	2.91E-08	4.48E-09	0.00E+00	0.00E+00	0.00E+00	4.48E-09	2.98E-09	0.00E+00	0.00E+00	0.00E+00	2.98E-09
521	382188.81	3737704.12	2.79E-08	0.00E+00	0.00E+00	0.00E+00	2.79E-08	4.30E-09	0.00E+00	0.00E+00	0.00E+00	4.30E-09	2.86E-09	0.00E+00	0.00E+00	0.00E+00	2.86E-09

522	382208.81	3737704.12	2.68E-08	0.00E+00	0.00E+00	0.00E+00	2.68E-08	4.14E-09	0.00E+00	0.00E+00	0.00E+00	4.14E-09	2.75E-09	0.00E+00	0.00E+00	0.00E+00	2.75E-09
523	382228.81	3737704.12	2.58E-08	0.00E+00	0.00E+00	0.00E+00	2.58E-08	3.98E-09	0.00E+00	0.00E+00	0.00E+00	3.98E-09	2.65E-09	0.00E+00	0.00E+00	0.00E+00	2.65E-09
524	382248.81	3737704.12	2.49E-08	0.00E+00	0.00E+00	0.00E+00	2.49E-08	3.83E-09	0.00E+00	0.00E+00	0.00E+00	3.83E-09	2.55E-09	0.00E+00	0.00E+00	0.00E+00	2.55E-09
525	382268.81	3737704.12	2.40E-08	0.00E+00	0.00E+00	0.00E+00	2.40E-08	3.69E-09	0.00E+00	0.00E+00	0.00E+00	3.69E-09	2.45E-09	0.00E+00	0.00E+00	0.00E+00	2.45E-09
526	382288.81	3737704.12	2.31E-08	0.00E+00	0.00E+00	0.00E+00	2.31E-08	3.56E-09	0.00E+00	0.00E+00	0.00E+00	3.56E-09	2.36E-09	0.00E+00	0.00E+00	0.00E+00	2.36E-09
527	382308.81	3737704.12	2.23E-08	0.00E+00	0.00E+00	0.00E+00	2.23E-08	3.43E-09	0.00E+00	0.00E+00	0.00E+00	3.43E-09	2.28E-09	0.00E+00	0.00E+00	0.00E+00	2.28E-09
528	382328.81	3737704.12	2.15E-08	0.00E+00	0.00E+00	0.00E+00	2.15E-08	3.31E-09	0.00E+00	0.00E+00	0.00E+00	3.31E-09	2.20E-09	0.00E+00	0.00E+00	0.00E+00	2.20E-09
529	382348.81	3737704.12	2.08E-08	0.00E+00	0.00E+00	0.00E+00	2.08E-08	3.20E-09	0.00E+00	0.00E+00	0.00E+00	3.20E-09	2.13E-09	0.00E+00	0.00E+00	0.00E+00	2.13E-09
530	382368.81	3737704.12	2.01E-08	0.00E+00	0.00E+00	0.00E+00	2.01E-08	3.09E-09	0.00E+00	0.00E+00	0.00E+00	3.09E-09	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09
531	382388.81	3737704.12	1.94E-08	0.00E+00	0.00E+00	0.00E+00	1.94E-08	2.99E-09	0.00E+00	0.00E+00	0.00E+00	2.99E-09	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09
532	382408.81	3737704.12	1.88E-08	0.00E+00	0.00E+00	0.00E+00	1.88E-08	2.89E-09	0.00E+00	0.00E+00	0.00E+00	2.89E-09	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09
533	382428.81	3737704.12	1.81E-08	0.00E+00	0.00E+00	0.00E+00	1.81E-08	2.80E-09	0.00E+00	0.00E+00	0.00E+00	2.80E-09	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09
534	382448.81	3737704.12	1.76E-08	0.00E+00	0.00E+00	0.00E+00	1.76E-08	2.71E-09	0.00E+00	0.00E+00	0.00E+00	2.71E-09	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09
535	382468.81	3737704.12	1.70E-08	0.00E+00	0.00E+00	0.00E+00	1.70E-08	2.62E-09	0.00E+00	0.00E+00	0.00E+00	2.62E-09	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09
536	382488.81	3737704.12	1.65E-08	0.00E+00	0.00E+00	0.00E+00	1.65E-08	2.54E-09	0.00E+00	0.00E+00	0.00E+00	2.54E-09	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09
537	382508.81	3737704.12	1.60E-08	0.00E+00	0.00E+00	0.00E+00	1.60E-08	2.47E-09	0.00E+00	0.00E+00	0.00E+00	2.47E-09	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09
538	382528.81	3737704.12	1.55E-08	0.00E+00	0.00E+00	0.00E+00	1.55E-08	2.39E-09	0.00E+00	0.00E+00	0.00E+00	2.39E-09	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09
539	382548.81	3737704.12	1.51E-08	0.00E+00	0.00E+00	0.00E+00	1.51E-08	2.32E-09	0.00E+00	0.00E+00	0.00E+00	2.32E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09
540	382568.81	3737704.12	1.46E-08	0.00E+00	0.00E+00	0.00E+00	1.46E-08	2.25E-09	0.00E+00	0.00E+00	0.00E+00	2.25E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09
541	382588.81	3737704.12	1.42E-08	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.19E-09	0.00E+00	0.00E+00	0.00E+00	2.19E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09
542	382608.81	3737704.12	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.13E-09	0.00E+00	0.00E+00	0.00E+00	2.13E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
543	382628.81	3737704.12	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.07E-09	0.00E+00	0.00E+00	0.00E+00	2.07E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
544	382648.81	3737704.12	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
545	381628.81	3737724.42	1.16E-07	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.79E-08	0.00E+00	0.00E+00	0.00E+00	1.79E-08	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08
546	381648.81	3737724.42	1.11E-07	0.00E+00	0.00E+00	0.00E+00	1.11E-07	1.71E-08	0.00E+00	0.00E+00	0.00E+00	1.71E-08	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08
547	381668.81	3737724.42	1.05E-07	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.62E-08	0.00E+00	0.00E+00	0.00E+00	1.62E-08	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08
548	381688.81	3737724.42	9.93E-08	0.00E+00	0.00E+00	0.00E+00	9.93E-08	1.53E-08	0.00E+00	0.00E+00	0.00E+00	1.53E-08	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08
549	381708.81	3737724.42	9.39E-08	0.00E+00	0.00E+00	0.00E+00	9.39E-08	1.45E-08	0.00E+00	0.00E+00	0.00E+00	1.45E-08	9.62E-09	0.00E+00	0.00E+00	0.00E+00	9.62E-09
550	381728.81	3737724.42	8.87E-08	0.00E+00	0.00E+00	0.00E+00	8.87E-08	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	9.08E-09	0.00E+00	0.00E+00	0.00E+00	9.08E-09
551	381748.81	3737724.42	8.38E-08	0.00E+00	0.00E+00	0.00E+00	8.38E-08	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	8.58E-09	0.00E+00	0.00E+00	0.00E+00	8.58E-09
552	381768.81	3737724.42	7.91E-08	0.00E+00	0.00E+00	0.00E+00	7.91E-08	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	8.10E-09	0.00E+00	0.00E+00	0.00E+00	8.10E-09
553	381788.81	3737724.42	7.47E-08	0.00E+00	0.00E+00	0.00E+00	7.47E-08	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	7.65E-09	0.00E+00	0.00E+00	0.00E+00	7.65E-09
554	381808.81	3737724.42	7.06E-08	0.00E+00	0.00E+00	0.00E+00	7.06E-08	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	7.23E-09	0.00E+00	0.00E+00	0.00E+00	7.23E-09
555	381828.81	3737724.42	6.67E-08	0.00E+00	0.00E+00	0.00E+00	6.67E-08	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	6.83E-09	0.00E+00	0.00E+00	0.00E+00	6.83E-09
556	381848.81	3737724.42	6.30E-08	0.00E+00	0.00E+00	0.00E+00	6.30E-08	9.72E-09	0.00E+00	0.00E+00	0.00E+00	9.72E-09	6.46E-09	0.00E+00	0.00E+00	0.00E+00	6.46E-09
557	381868.81	3737724.42	5.97E-08	0.00E+00	0.00E+00	0.00E+00	5.97E-08	9.19E-09	0.00E+00	0.00E+00	0.00E+00	9.19E-09	6.11E-09	0.00E+00	0.00E+00	0.00E+00	6.11E-09
558	381888.81	3737724.42	5.65E-08	0.00E+00	0.00E+00	0.00E+00	5.65E-08	8.71E-09	0.00E+00	0.00E+00	0.00E+00	8.71E-09	5.79E-09	0.00E+00	0.00E+00	0.00E+00	5.79E-09
559	381908.81	3737724.42	5.35E-08	0.00E+00	0.00E+00	0.00E+00	5.35E-08	8.25E-09	0.00E+00	0.00E+00	0.00E+00	8.25E-09	5.48E-09	0.00E+00	0.00E+00	0.00E+00	5.48E-09
560	381928.81	3737724.42	5.08E-08	0.00E+00	0.00E+00	0.00E+00	5.08E-08	7.83E-09	0.00E+00	0.00E+00	0.00E+00	7.83E-09	5.20E-09	0.00E+00	0.00E+00	0.00E+00	5.20E-09
561	381948.81	3737724.42	4.82E-08	0.00E+00	0.00E+00	0.00E+00	4.82E-08	7.43E-09	0.00E+00	0.00E+00	0.00E+00	7.43E-09	4.94E-09	0.00E+00	0.00E+00	0.00E+00	4.94E-09
562	381968.81	3737724.42	4.58E-08	0.00E+00	0.00E+00	0.00E+00	4.58E-08	7.06E-09	0.00E+00	0.00E+00	0.00E+00	7.06E-09	4.69E-09	0.00E+00	0.00E+00	0.00E+00	4.69E-09
563	381988.81	3737724.42	4.36E-08	0.00E+00	0.00E+00	0.00E+00	4.36E-08	6.72E-09	0.00E+00	0.00E+00	0.00E+00	6.72E-09	4.46E-09	0.00E+00	0.00E+00	0.00E+00	4.46E-09
564	382008.81	3737724.42	4.15E-08	0.00E+00	0.00E+00	0.00E+00	4.15E-08	6.40E-09	0.00E+00	0.00E+00	0.00E+00	6.40E-09	4.25E-09	0.00E+00	0.00E+00	0.00E+00	4.25E-09
565	382028.81	3737724.42	3.96E-08	0.00E+00	0.00E+00	0.00E+00	3.96E-08	6.10E-09	0.00E+00	0.00E+00	0.00E+00	6.10E-09	4.06E-09	0.00E+00	0.00E+00	0.00E+00	4.06E-09
566	382048.81	3737724.42	3.78E-08	0.00E+00	0.00E+00	0.00E+00	3.78E-08	5.83E-09	0.00E+00	0.00E+00	0.00E+00	5.83E-09	3.87E-09	0.00E+00	0.00E+00	0.00E+00	3.87E-09
567	382068.81	3737724.42	3.61E-08	0.00E+00	0.00E+00	0.00E+00	3.61E-08	5.57E-09	0.00E+00	0.00E+00	0.00E+00	5.57E-09	3.70E-09	0.00E+00	0.00E+00	0.00E+00	3.70E-09
568	382088.81	3737724.42	3.45E-08	0.00E+00	0.00E+00	0.00E+00	3.45E-08	5.32E-09	0.00E+00	0.00E+00	0.00E+00	5.32E-09	3.54E-09	0.00E+00	0.00E+00	0.00E+00	3.54E-09
569	382108.81	3737724.42	3.31E-08	0.00E+00	0.00E+00	0.00E+00	3.31E-08	5.10E-09	0.00E+00	0.00E+00	0.00E+00	5.10E-09	3.39E-09	0.00E+00	0.00E+00	0.00E+00	3.39E-09
570	382128.81	3737724.42	3.17E-08	0.00E+00	0.00E+00	0.00E+00	3.17E-08	4.88E-09	0.00E+00	0.00E+00	0.00E+00	4.88E-09	3.24E-09	0.00E+00	0.00E+00	0.00E+00	3.24E-09
571	382148.81	3737724.42	3.04E-08	0.00E+00	0.00E+00	0.00E+00	3.04E-08	4.68E-09	0.00E+00	0.00E+00	0.00E+00	4.68E-09	3.11E-09	0.00E+00	0.00E+00	0.00E+00	3.11E-09
572	382168.81	3737724.42	2.91E-08	0.00E+00	0.00E+00	0.00E+00	2.91E-08	4.49E-09	0.00E+00	0.00E+00	0.00E+00	4.49E-09	2.99E-09	0.00E+00	0.00E+00	0.00E+00	2.99E-09
573	382188.81	3737724.42	2.80E-08	0.00E+00	0.00E+00	0.00E+00	2.80E-08	4.32E-09	0.00E+00	0.00E+00	0.00E+00	4.32E-09	2.87E-09	0.00E+00	0.00E+00	0.00E+00	2.87E-09
574	382208.81	3737724.42	2.69E-08	0.00E+00	0.00E+00	0.00E+00	2.69E-08	4.15E-09	0.00E+00	0.00E+00	0.00E+00	4.15E-09	2.76E-09	0.00E+00	0.00E+00	0.00E+00	2.76E-09
575	382228.81	3737724.42	2.59E-08	0.00E+00	0.00E+00	0.00E+00	2.59E-08	3.99E-09	0.00E+00	0.00E+00	0.00E+00	3.99E-09	2.65E-09	0.00E+00	0.00E+00	0.00E+00	2.65E-09
576	382248.81	3737724.42	2.49E-08	0.00E+00	0.00E+00	0.00E+00	2.49E-08	3.84E-09	0.00E+00	0.00E+00	0.00E+00	3.84E-09	2.56E-09	0.00E+00	0.00E+00	0.00E+00	2.56E-09
577	382268.81	3737724.42	2.40E-08	0.00E+00	0.00E+00	0.00E+00	2.40E-08	3.70E-09	0.00E+00	0.00E+00	0.00E+00	3.70E-09	2.46E-09	0.00E+00	0.00E+00	0.00E+00	2.46E-09
578	382288.81	3737724.42	2.32E-08	0.00E+00	0.00E+00	0.00E+00	2.32E-08	3.57E-09	0.00E+00	0.00E+00	0.00E+00	3.57E-09	2.37E-09	0.00E+00	0.00E+00	0.00E+00	2.37E-09
579	382308.81	3737724.42	2.24E-08	0.00E+00	0.00E+00	0.00E+00	2.24E-08	3.45E-09	0.00E+00	0.00E+00	0.00E+00	3.45E-09	2.29E-09	0.00E+00	0.00E+00	0.00E+00	2.29E-09
580	382328.81	3737724.42	2.16E-08	0.00E+00	0.00E+00	0.00E+00	2.16E-08	3.33E-09	0.00E+00	0.00E+00	0.00E+00	3.33E-09	2.21E-09	0.00E+00	0.00E+00	0.00E+00	2.21E-09
581	382348.81	3737724.42	2.08E-08	0.00E+00	0.00E+00	0.00E+00	2.08E-08	3.21E-09	0.00E+00	0.00E+00	0.00E+00	3.21E-09	2.14E-09	0.00E+00	0.00E+00	0.00E+00	2.14E-09
582	382368.81	3737724.42	2.01E-08	0.00E+00	0.00E+00	0.00E+00	2.01E-08	3.11E-09	0.00E+00	0.00E+00	0.00E+00	3.11E-09	2.06E-09	0.00E+00	0.00E+00	0.00E+00	2.06E-09
583	382388.81	3737724.42	1.95E-08	0.00E+00	0.00E+00	0.00E+00	1.95E-08	3.00E-09	0.00E+00	0.00E+00	0.00E+00	3.00E-09	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09
584	382408.81	3737724.42	1.88E-08	0.00E+00	0.00E+00	0.00E+00	1.88E-08	2.90E-09	0.00E+00	0.00E+00	0.00E+00	2.90E-09	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09
585	382428.81	3737724.42	1.82E-08	0.00E+00	0.00E+00	0.00E+00	1.82E-08	2.81E-09	0.00E+00	0.00E+00	0.00E+00	2.81E-09	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09
586	382448.81	3737724.42	1.77E-08	0.00E+00	0.00E+00	0.00E+00	1.77E-08	2.72E-09	0.00E+00	0.00E+00	0.00E+00	2.72E-09	1.81E-09	0.00E+00	0.00E+00	0.00E+00	1.81E-09
587	382468.81	3737724.42	1.71E-08	0.00E+00	0.00E+00	0.00E+00	1.71E-08	2.64E-09	0.00E+00	0.00E+00	0.00E+00	2.64E-09	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09
588	382488.81	3737724.42	1.66E-08	0.00E+00	0.00E+00	0.00E+00	1.66E-08	2.55E-09	0.00E+00	0.00E+00	0.00E+00	2.55E-09	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09
589	382508.81	3737724.42	1.61E-08	0.00E+00	0.00E+00	0.00E+00	1.61E-08	2.48E-09	0.00E+00	0.00E+00	0.00E+00	2.48E-09	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09
590	382528.81	3737724.42	1.56E-08	0.00E+00	0.00E+00	0.00E+00	1.56E-08	2.40E-09	0.00E+00	0.00E+00	0.00E+00	2.40E-09	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09
591	382548.81	3737724.42	1.51E-08	0.00E+00	0.00E+00	0.00E+00	1.51E-08	2.33E-09	0.00E+00	0.00E+00	0.00E+00	2.33E-09	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09
592	382568.81	3737724.42	1.47E-08	0.00E+00	0.00E+00	0.00E+00	1.47E-08	2.27E-09	0.00E+00	0.00E+00	0.00E+00	2.27E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09
593	382588.81	3737724.42	1.43E-08	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.20E-09	0.00E+00	0.00E+00	0.00E+00	2.20E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09
594	382608.81	3737724.42	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.14E-09	0.00E+00	0.00E+00	0.00E+00	2.14E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09
595	382628.81	3737724.42	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.08E-09	0.00E+00	0.00E+00	0.00E+00	2.08E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
596	382648.81	3737724.42	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
597	382668.81	3737724.42	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
598	382688.81	3737724.42	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
599	382708.81	3737724.42	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
600	382728.81	3737724.42	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
601	382748.81	3737724.42	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
602	382808.81	3737724.42	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
603	382828.81	3737724.42	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
604	382848.81	3737724.42	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
605	381628.81	3737744.72	1.13E-07	0.00E+00	0.00E+00	0.00E+00	1.13E-07	1.74E-08	0.00E+00	0.00E+00	0.00E+00	1.74E-08	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08
606	381648.81	3737744.72	1.08E-07	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.66E-08	0.00E+00	0.00E+00	0.00E+00	1.66E-08	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08
607	381668.81	3737744.72	1.03E-07	0.00E+00	0.00E+00	0.00E+00	1.03E-07	1.59E-08	0.00E+00	0.00E+00	0.00E+00	1.59E-08	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08
608	381688.81	3737744.72	9.80E-08	0.00E+00	0.00E+00	0.00E+00	9.80E-08	1.51E-08	0.00E+00	0.00E+00	0.00E+00	1.51E-08	1.00E-08	0.00E+00	0.00E+00	0.00E+00	1.00E-08
609	381708.81	3737744.72	9.28E-08	0.00E+00	0.00E+00	0.00E+00	9.28E-08	1.43E-08	0.00E+00	0.00E+00	0.00E+00	1.43E-08	9.51E-09	0.00E+00	0.00E+00	0.00E+00	9.51E-09
610	381728.81	3737744.72	8.78E-08	0.00E+00	0.00E+00	0.00E+00	8.78E-08	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	8.99E-09	0.00E+00	0.00E+00	0.00E+00	8.99E-09
611	381748.81	3737744.72	8.30E-08	0.00E+00	0.00E+00	0.00E+00	8.30E-08	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	8.51E-09	0.00E+00	0.00E+00	0.00E+00	8.51E-09
612	381768.81	3737744.72	7.85E-08	0.00E+00	0.00E+00	0.00E+00	7.85E-08	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	8.04E-09	0.00E+00	0.00E+00	0.00E+00	8.04E-09
613	381788.81	3737744.72	7.42E-08	0.00E+00	0.00E+00	0.00E+00	7.42E-08	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	7.60E-09	0.00E+00	0.00E+00	0.00E+00	7.60E-09
614	381808.81	3737744.72	7.02E-08	0.00E+00	0.00E+00	0.00E+00	7.02E-08	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	7.19E-09	0.00E+00	0.00E+00	0.00E+00	7.19E-09
615	381828.81	3737744.72	6.64E-08	0.00E+00	0.00E+00	0.00E+00	6.64E-08	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	6.80E-09	0.00E+00	0.00E+00	0.00E+00	6.80E-09
616	381848.81	3737744.72	6.28E-08	0.00E+00	0.00E+00	0.00E+00	6.28E-08	9.68E-09	0.00E+00	0.00E+00	0.00E+00	9.68E-09	6.43E-09	0.00E+00	0.00E+00	0.00E+00	6.43E-09
617	381868.81	3737744.72	5.95E-08	0.00E+00	0.00E+00	0.00E+00	5.95E-08	9.17E-09	0.00E+00	0.00E+00	0.00E+00	9.17E-09	6.09E-09	0.00E+00	0.00E+00	0.00E+00	6.09E-09
618	381888.81	3737744.72	5.64E-08	0.00E+00	0.00E+00	0.00E+00	5.64E-08	8.69E-09	0.00E+00	0.00E+00	0.00E+00	8.69E-09	5.78E-09	0.00E+00	0.00E+00	0.00E+00	5.78E-09
619	381908.81	3737744.72	5.35E-08	0.00E+00	0.00E+00	0.00E+00	5.35E-08	8.24E-09	0.00E+00	0.00E+00	0.00E+00	8.24E-09	5.48E-09	0.00E+00	0.00E+00	0.00E+00	5.48E-09
620	381928.81	3737744.72	5.07E-08	0.00E+00	0.00E+00	0.00E+00	5.07E-08	7.82E-09	0.00E+00	0.00E+00	0.00E+00	7.82E-09	5.20E-09	0.00E+00	0.00E+00	0.00E+00	5.20E-09
621	381948.81	3737744.72	4.82E-08	0.00E+00	0.00E+00	0.00E+00	4.82E-08	7.43E-09	0.00E+00	0.00E+00	0.00E+00	7.43E-09	4.94E-09	0.00E+00	0.00E+00	0.00E+00	4.94E-09
622	381968.81	3737744.72	4.58E-08	0.00E+00	0.00E+00	0.00E+00	4.58E-08	7.06E-09	0.00E+00	0.00E+00	0.00E+00	7.06E-09	4.69E-09	0.00E+00	0.00E+00	0.00E+00	4.69E-09
623	381988.81	3737744.72	4.36E-08	0.00E+00	0.00E+00	0.00E+00	4.36E-08	6.72E-09	0.00E+00	0.00E+00	0.00E+00	6.72E-09	4.47E-09	0.00E+00	0.00E+00	0.00E+00	4.47E-09
624	382008.81	3737744.72	4.16E-08	0.00E+00	0.00E+00	0.00E+00	4.16E-08	6.41E-09	0.00E+00	0.00E+00	0.00E+00	6.41E-09	4.26E-09	0.00E+00	0.00E+00	0.00E+00	4.26E-09
625	382028.81	3737744.72	3.97E-08	0.00E+00	0.00E+00	0.00E+00	3.97E-08	6.11E-09	0.00E+00	0.00E+00	0.00E+00	6.11E-09	4.06E-09	0.00E+00	0.00E+00	0.00E+00	4.06E-09
626	382048.81	3737744.72	3.79E-08	0.00E+00	0.00E+00	0.00E+00	3.79E-08	5.83E-09	0.00E+00	0.00E+00	0.00E+00	5.83E-09	3.88E-09	0.00E+00	0.00E+00	0.00E+00	3.88E-09

627	382068.81	3737744.72	3.62E-08	0.00E+00	0.00E+00	0.00E+00	3.62E-08	5.58E-09	0.00E+00	0.00E+00	0.00E+00	5.58E-09	3.71E-09	0.00E+00	0.00E+00	0.00E+00	3.71E-09
628	382088.81	3737744.72	3.46E-08	0.00E+00	0.00E+00	0.00E+00	3.46E-08	5.34E-09	0.00E+00	0.00E+00	0.00E+00	5.34E-09	3.55E-09	0.00E+00	0.00E+00	0.00E+00	3.55E-09
629	382108.81	3737744.72	3.31E-08	0.00E+00	0.00E+00	0.00E+00	3.31E-08	5.11E-09	0.00E+00	0.00E+00	0.00E+00	5.11E-09	3.39E-09	0.00E+00	0.00E+00	0.00E+00	3.39E-09
630	382128.81	3737744.72	3.18E-08	0.00E+00	0.00E+00	0.00E+00	3.18E-08	4.89E-09	0.00E+00	0.00E+00	0.00E+00	4.89E-09	3.25E-09	0.00E+00	0.00E+00	0.00E+00	3.25E-09
631	382148.81	3737744.72	3.05E-08	0.00E+00	0.00E+00	0.00E+00	3.05E-08	4.69E-09	0.00E+00	0.00E+00	0.00E+00	4.69E-09	3.12E-09	0.00E+00	0.00E+00	0.00E+00	3.12E-09
632	382168.81	3737744.72	2.92E-08	0.00E+00	0.00E+00	0.00E+00	2.92E-08	4.50E-09	0.00E+00	0.00E+00	0.00E+00	4.50E-09	2.99E-09	0.00E+00	0.00E+00	0.00E+00	2.99E-09
633	382188.81	3737744.72	2.81E-08	0.00E+00	0.00E+00	0.00E+00	2.81E-08	4.33E-09	0.00E+00	0.00E+00	0.00E+00	4.33E-09	2.88E-09	0.00E+00	0.00E+00	0.00E+00	2.88E-09
634	382208.81	3737744.72	2.70E-08	0.00E+00	0.00E+00	0.00E+00	2.70E-08	4.16E-09	0.00E+00	0.00E+00	0.00E+00	4.16E-09	2.77E-09	0.00E+00	0.00E+00	0.00E+00	2.77E-09
635	382228.81	3737744.72	2.60E-08	0.00E+00	0.00E+00	0.00E+00	2.60E-08	4.01E-09	0.00E+00	0.00E+00	0.00E+00	4.01E-09	2.66E-09	0.00E+00	0.00E+00	0.00E+00	2.66E-09
636	382248.81	3737744.72	2.50E-08	0.00E+00	0.00E+00	0.00E+00	2.50E-08	3.86E-09	0.00E+00	0.00E+00	0.00E+00	3.86E-09	2.56E-09	0.00E+00	0.00E+00	0.00E+00	2.56E-09
637	382268.81	3737744.72	2.41E-08	0.00E+00	0.00E+00	0.00E+00	2.41E-08	3.71E-09	0.00E+00	0.00E+00	0.00E+00	3.71E-09	2.47E-09	0.00E+00	0.00E+00	0.00E+00	2.47E-09
638	382288.81	3737744.72	2.32E-08	0.00E+00	0.00E+00	0.00E+00	2.32E-08	3.58E-09	0.00E+00	0.00E+00	0.00E+00	3.58E-09	2.38E-09	0.00E+00	0.00E+00	0.00E+00	2.38E-09
639	382308.81	3737744.72	2.24E-08	0.00E+00	0.00E+00	0.00E+00	2.24E-08	3.46E-09	0.00E+00	0.00E+00	0.00E+00	3.46E-09	2.30E-09	0.00E+00	0.00E+00	0.00E+00	2.30E-09
640	382328.81	3737744.72	2.17E-08	0.00E+00	0.00E+00	0.00E+00	2.17E-08	3.34E-09	0.00E+00	0.00E+00	0.00E+00	3.34E-09	2.22E-09	0.00E+00	0.00E+00	0.00E+00	2.22E-09
641	382348.81	3737744.72	2.09E-08	0.00E+00	0.00E+00	0.00E+00	2.09E-08	3.23E-09	0.00E+00	0.00E+00	0.00E+00	3.23E-09	2.14E-09	0.00E+00	0.00E+00	0.00E+00	2.14E-09
642	382368.81	3737744.72	2.02E-08	0.00E+00	0.00E+00	0.00E+00	2.02E-08	3.12E-09	0.00E+00	0.00E+00	0.00E+00	3.12E-09	2.07E-09	0.00E+00	0.00E+00	0.00E+00	2.07E-09
643	382388.81	3737744.72	1.96E-08	0.00E+00	0.00E+00	0.00E+00	1.96E-08	3.01E-09	0.00E+00	0.00E+00	0.00E+00	3.01E-09	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09
644	382408.81	3737744.72	1.89E-08	0.00E+00	0.00E+00	0.00E+00	1.89E-08	2.92E-09	0.00E+00	0.00E+00	0.00E+00	2.92E-09	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09
645	382428.81	3737744.72	1.83E-08	0.00E+00	0.00E+00	0.00E+00	1.83E-08	2.82E-09	0.00E+00	0.00E+00	0.00E+00	2.82E-09	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09
646	382448.81	3737744.72	1.77E-08	0.00E+00	0.00E+00	0.00E+00	1.77E-08	2.73E-09	0.00E+00	0.00E+00	0.00E+00	2.73E-09	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09
647	382468.81	3737744.72	1.72E-08	0.00E+00	0.00E+00	0.00E+00	1.72E-08	2.65E-09	0.00E+00	0.00E+00	0.00E+00	2.65E-09	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09
648	382488.81	3737744.72	1.67E-08	0.00E+00	0.00E+00	0.00E+00	1.67E-08	2.57E-09	0.00E+00	0.00E+00	0.00E+00	2.57E-09	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09
649	382508.81	3737744.72	1.62E-08	0.00E+00	0.00E+00	0.00E+00	1.62E-08	2.49E-09	0.00E+00	0.00E+00	0.00E+00	2.49E-09	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09
650	382528.81	3737744.72	1.57E-08	0.00E+00	0.00E+00	0.00E+00	1.57E-08	2.42E-09	0.00E+00	0.00E+00	0.00E+00	2.42E-09	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09
651	382548.81	3737744.72	1.52E-08	0.00E+00	0.00E+00	0.00E+00	1.52E-08	2.35E-09	0.00E+00	0.00E+00	0.00E+00	2.35E-09	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09
652	382568.81	3737744.72	1.48E-08	0.00E+00	0.00E+00	0.00E+00	1.48E-08	2.28E-09	0.00E+00	0.00E+00	0.00E+00	2.28E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09
653	382588.81	3737744.72	1.44E-08	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.21E-09	0.00E+00	0.00E+00	0.00E+00	2.21E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09
654	382608.81	3737744.72	1.40E-08	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.15E-09	0.00E+00	0.00E+00	0.00E+00	2.15E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
655	382628.81	3737744.72	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.09E-09	0.00E+00	0.00E+00	0.00E+00	2.09E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
656	382648.81	3737744.72	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.03E-09	0.00E+00	0.00E+00	0.00E+00	2.03E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
657	382668.81	3737744.72	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
658	382688.81	3737744.72	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
659	382708.81	3737744.72	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
660	382728.81	3737744.72	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
661	382748.81	3737744.72	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
662	382768.81	3737744.72	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
663	382788.81	3737744.72	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
664	382808.81	3737744.72	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
665	382828.81	3737744.72	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
666	382848.81	3737744.72	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
667	381628.81	3737765.02	1.11E-07	0.00E+00	0.00E+00	0.00E+00	1.11E-07	1.70E-08	0.00E+00	0.00E+00	0.00E+00	1.70E-08	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08
668	381648.81	3737765.02	1.06E-07	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.63E-08	0.00E+00	0.00E+00	0.00E+00	1.63E-08	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08
669	381668.81	3737765.02	1.01E-07	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.56E-08	0.00E+00	0.00E+00	0.00E+00	1.56E-08	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08
670	381688.81	3737765.02	9.67E-08	0.00E+00	0.00E+00	0.00E+00	9.67E-08	1.49E-08	0.00E+00	0.00E+00	0.00E+00	1.49E-08	9.90E-09	0.00E+00	0.00E+00	0.00E+00	9.90E-09
671	381708.81	3737765.02	9.17E-08	0.00E+00	0.00E+00	0.00E+00	9.17E-08	1.41E-08	0.00E+00	0.00E+00	0.00E+00	1.41E-08	9.39E-09	0.00E+00	0.00E+00	0.00E+00	9.39E-09
672	381728.81	3737765.02	8.69E-08	0.00E+00	0.00E+00	0.00E+00	8.69E-08	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	8.90E-09	0.00E+00	0.00E+00	0.00E+00	8.90E-09
673	381748.81	3737765.02	8.23E-08	0.00E+00	0.00E+00	0.00E+00	8.23E-08	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	8.43E-09	0.00E+00	0.00E+00	0.00E+00	8.43E-09
674	381768.81	3737765.02	7.79E-08	0.00E+00	0.00E+00	0.00E+00	7.79E-08	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	7.98E-09	0.00E+00	0.00E+00	0.00E+00	7.98E-09
675	381788.81	3737765.02	7.38E-08	0.00E+00	0.00E+00	0.00E+00	7.38E-08	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	7.55E-09	0.00E+00	0.00E+00	0.00E+00	7.55E-09
676	381808.81	3737765.02	6.98E-08	0.00E+00	0.00E+00	0.00E+00	6.98E-08	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	7.15E-09	0.00E+00	0.00E+00	0.00E+00	7.15E-09
677	381828.81	3737765.02	6.61E-08	0.00E+00	0.00E+00	0.00E+00	6.61E-08	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	6.77E-09	0.00E+00	0.00E+00	0.00E+00	6.77E-09
678	381848.81	3737765.02	6.26E-08	0.00E+00	0.00E+00	0.00E+00	6.26E-08	9.65E-09	0.00E+00	0.00E+00	0.00E+00	9.65E-09	6.41E-09	0.00E+00	0.00E+00	0.00E+00	6.41E-09
679	381868.81	3737765.02	5.93E-08	0.00E+00	0.00E+00	0.00E+00	5.93E-08	9.14E-09	0.00E+00	0.00E+00	0.00E+00	9.14E-09	6.08E-09	0.00E+00	0.00E+00	0.00E+00	6.08E-09
680	381888.81	3737765.02	5.63E-08	0.00E+00	0.00E+00	0.00E+00	5.63E-08	8.67E-09	0.00E+00	0.00E+00	0.00E+00	8.67E-09	5.76E-09	0.00E+00	0.00E+00	0.00E+00	5.76E-09
681	381908.81	3737765.02	5.34E-08	0.00E+00	0.00E+00	0.00E+00	5.34E-08	8.23E-09	0.00E+00	0.00E+00	0.00E+00	8.23E-09	5.47E-09	0.00E+00	0.00E+00	0.00E+00	5.47E-09
682	381928.81	3737765.02	5.07E-08	0.00E+00	0.00E+00	0.00E+00	5.07E-08	7.81E-09	0.00E+00	0.00E+00	0.00E+00	7.81E-09	5.19E-09	0.00E+00	0.00E+00	0.00E+00	5.19E-09
683	381948.81	3737765.02	4.82E-08	0.00E+00	0.00E+00	0.00E+00	4.82E-08	7.42E-09	0.00E+00	0.00E+00	0.00E+00	7.42E-09	4.93E-09	0.00E+00	0.00E+00	0.00E+00	4.93E-09
684	381968.81	3737765.02	4.58E-08	0.00E+00	0.00E+00	0.00E+00	4.58E-08	7.06E-09	0.00E+00	0.00E+00	0.00E+00	7.06E-09	4.69E-09	0.00E+00	0.00E+00	0.00E+00	4.69E-09
685	381988.81	3737765.02	4.36E-08	0.00E+00	0.00E+00	0.00E+00	4.36E-08	6.72E-09	0.00E+00	0.00E+00	0.00E+00	6.72E-09	4.47E-09	0.00E+00	0.00E+00	0.00E+00	4.47E-09
686	382008.81	3737765.02	4.16E-08	0.00E+00	0.00E+00	0.00E+00	4.16E-08	6.41E-09	0.00E+00	0.00E+00	0.00E+00	6.41E-09	4.26E-09	0.00E+00	0.00E+00	0.00E+00	4.26E-09
687	382028.81	3737765.02	3.97E-08	0.00E+00	0.00E+00	0.00E+00	3.97E-08	6.12E-09	0.00E+00	0.00E+00	0.00E+00	6.12E-09	4.06E-09	0.00E+00	0.00E+00	0.00E+00	4.06E-09
688	382048.81	3737765.02	3.79E-08	0.00E+00	0.00E+00	0.00E+00	3.79E-08	5.84E-09	0.00E+00	0.00E+00	0.00E+00	5.84E-09	3.88E-09	0.00E+00	0.00E+00	0.00E+00	3.88E-09
689	382068.81	3737765.02	3.62E-08	0.00E+00	0.00E+00	0.00E+00	3.62E-08	5.58E-09	0.00E+00	0.00E+00	0.00E+00	5.58E-09	3.71E-09	0.00E+00	0.00E+00	0.00E+00	3.71E-09
690	382088.81	3737765.02	3.47E-08	0.00E+00	0.00E+00	0.00E+00	3.47E-08	5.34E-09	0.00E+00	0.00E+00	0.00E+00	5.34E-09	3.55E-09	0.00E+00	0.00E+00	0.00E+00	3.55E-09
691	382108.81	3737765.02	3.32E-08	0.00E+00	0.00E+00	0.00E+00	3.32E-08	5.12E-09	0.00E+00	0.00E+00	0.00E+00	5.12E-09	3.40E-09	0.00E+00	0.00E+00	0.00E+00	3.40E-09
692	382128.81	3737765.02	3.18E-08	0.00E+00	0.00E+00	0.00E+00	3.18E-08	4.90E-09	0.00E+00	0.00E+00	0.00E+00	4.90E-09	3.26E-09	0.00E+00	0.00E+00	0.00E+00	3.26E-09
693	382148.81	3737765.02	3.05E-08	0.00E+00	0.00E+00	0.00E+00	3.05E-08	4.70E-09	0.00E+00	0.00E+00	0.00E+00	4.70E-09	3.13E-09	0.00E+00	0.00E+00	0.00E+00	3.13E-09
694	382168.81	3737765.02	2.93E-08	0.00E+00	0.00E+00	0.00E+00	2.93E-08	4.52E-09	0.00E+00	0.00E+00	0.00E+00	4.52E-09	3.00E-09	0.00E+00	0.00E+00	0.00E+00	3.00E-09
695	382188.81	3737765.02	2.82E-08	0.00E+00	0.00E+00	0.00E+00	2.82E-08	4.34E-09	0.00E+00	0.00E+00	0.00E+00	4.34E-09	2.88E-09	0.00E+00	0.00E+00	0.00E+00	2.88E-09
696	382208.81	3737765.02	2.71E-08	0.00E+00	0.00E+00	0.00E+00	2.71E-08	4.17E-09	0.00E+00	0.00E+00	0.00E+00	4.17E-09	2.77E-09	0.00E+00	0.00E+00	0.00E+00	2.77E-09
697	382228.81	3737765.02	2.61E-08	0.00E+00	0.00E+00	0.00E+00	2.61E-08	4.02E-09	0.00E+00	0.00E+00	0.00E+00	4.02E-09	2.67E-09	0.00E+00	0.00E+00	0.00E+00	2.67E-09
698	382248.81	3737765.02	2.50E-08	0.00E+00	0.00E+00	0.00E+00	2.50E-08	3.85E-09	0.00E+00	0.00E+00	0.00E+00	3.85E-09	2.56E-09	0.00E+00	0.00E+00	0.00E+00	2.56E-09
699	382268.81	3737765.02	2.40E-08	0.00E+00	0.00E+00	0.00E+00	2.40E-08	3.71E-09	0.00E+00	0.00E+00	0.00E+00	3.71E-09	2.46E-09	0.00E+00	0.00E+00	0.00E+00	2.46E-09
700	382288.81	3737765.02	2.32E-08	0.00E+00	0.00E+00	0.00E+00	2.32E-08	3.58E-09	0.00E+00	0.00E+00	0.00E+00	3.58E-09	2.38E-09	0.00E+00	0.00E+00	0.00E+00	2.38E-09
701	382308.81	3737765.02	2.25E-08	0.00E+00	0.00E+00	0.00E+00	2.25E-08	3.47E-09	0.00E+00	0.00E+00	0.00E+00	3.47E-09	2.31E-09	0.00E+00	0.00E+00	0.00E+00	2.31E-09
702	382328.81	3737765.02	2.17E-08	0.00E+00	0.00E+00	0.00E+00	2.17E-08	3.35E-09	0.00E+00	0.00E+00	0.00E+00	3.35E-09	2.23E-09	0.00E+00	0.00E+00	0.00E+00	2.23E-09
703	382348.81	3737765.02	2.10E-08	0.00E+00	0.00E+00	0.00E+00	2.10E-08	3.24E-09	0.00E+00	0.00E+00	0.00E+00	3.24E-09	2.15E-09	0.00E+00	0.00E+00	0.00E+00	2.15E-09
704	382368.81	3737765.02	2.03E-08	0.00E+00	0.00E+00	0.00E+00	2.03E-08	3.13E-09	0.00E+00	0.00E+00	0.00E+00	3.13E-09	2.08E-09	0.00E+00	0.00E+00	0.00E+00	2.08E-09
705	382388.81	3737765.02	1.96E-08	0.00E+00	0.00E+00	0.00E+00	1.96E-08	3.03E-09	0.00E+00	0.00E+00	0.00E+00	3.03E-09	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09
706	382408.81	3737765.02	1.90E-08	0.00E+00	0.00E+00	0.00E+00	1.90E-08	2.93E-09	0.00E+00	0.00E+00	0.00E+00	2.93E-09	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09
707	382428.81	3737765.02	1.84E-08	0.00E+00	0.00E+00	0.00E+00	1.84E-08	2.84E-09	0.00E+00	0.00E+00	0.00E+00	2.84E-09	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09
708	382448.81	3737765.02	1.78E-08	0.00E+00	0.00E+00	0.00E+00	1.78E-08	2.75E-09	0.00E+00	0.00E+00	0.00E+00	2.75E-09	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09
709	382468.81	3737765.02	1.73E-08	0.00E+00	0.00E+00	0.00E+00	1.73E-08	2.66E-09	0.00E+00	0.00E+00	0.00E+00	2.66E-09	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09
710	382488.81	3737765.02	1.67E-08	0.00E+00	0.00E+00	0.00E+00	1.67E-08	2.58E-09	0.00E+00	0.00E+00	0.00E+00	2.58E-09	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09
711	382508.81	3737765.02	1.62E-08	0.00E+00	0.00E+00	0.00E+00	1.62E-08	2.50E-09	0.00E+00	0.00E+00	0.00E+00	2.50E-09	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09
712	382528.81	3737765.02	1.57E-08	0.00E+00	0.00E+00	0.00E+00	1.57E-08	2.43E-09	0.00E+00	0.00E+00	0.00E+00	2.43E-09	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09
713	382548.81	3737765.02	1.53E-08	0.00E+00	0.00E+00	0.00E+00	1.53E-08	2.36E-09	0.00E+00	0.00E+00	0.00E+00	2.36E-09	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09
714	382568.81	3737765.02	1.49E-08	0.00E+00	0.00E+00	0.00E+00	1.49E-08	2.29E-09	0.00E+00	0.00E+00	0.00E+00	2.29E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09
715	382588.81	3737765.02	1.44E-08	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.22E-09	0.00E+00	0.00E+00	0.00E+00	2.22E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09
716	382608.81	3737765.02	1.40E-08	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.16E-09	0.00E+00	0.00E+00	0.00E+00	2.16E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09
717	382628.81	3737765.02	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.10E-09	0.00E+00	0.00E+00	0.00E+00	2.10E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09
718	382648.81	3737765.02	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
719	382668.81	3737765.02	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
720	382688.81	3737765.02	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
721	382708.81	3737765.02	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
722	382728.81	3737765.02	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
723	382748.81	3737765.02	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
724	382768.81	3737765.02	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
725	382788.81	3737765.02	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
726	382808.81	3737765.02	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
727	382828.81	3737765.02	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
728	382848.81	3737765.02	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
729	381628.81	3737785.32	1.09E-07	0.00E+00	0.00E+00	0.00E+00	1.09E-07	1.69E-08	0.00E+00	0.00E+00	0.00E+00	1.69E-08	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08
730	381648.81	3737785.32	1.04E-07	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.61E-08	0.00E+00	0.00E+00	0.00E+00	1.61E-08	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08
731	381668.81	3737785.32	9.95E-08	0.00E+00	0.00E+00	0.00E+00	9.95E-08	1.53E-08	0.00E+00	0.00E+00	0.00E+00	1.53E-08	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08

732	381688.81	3737785.32	9.50E-08	0.00E+00	0.00E+00	0.00E+00	9.50E-08	1.46E-08	0.00E+00	0.00E+00	0.00E+00	1.46E-08	9.73E-09	0.00E+00	0.00E+00	0.00E+00	9.73E-09
733	381708.81	3737785.32	9.06E-08	0.00E+00	0.00E+00	0.00E+00	9.06E-08	1.40E-08	0.00E+00	0.00E+00	0.00E+00	1.40E-08	9.28E-09	0.00E+00	0.00E+00	0.00E+00	9.28E-09
734	381728.81	3737785.32	8.60E-08	0.00E+00	0.00E+00	0.00E+00	8.60E-08	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	8.81E-09	0.00E+00	0.00E+00	0.00E+00	8.81E-09
735	381748.81	3737785.32	8.16E-08	0.00E+00	0.00E+00	0.00E+00	8.16E-08	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	8.35E-09	0.00E+00	0.00E+00	0.00E+00	8.35E-09
736	381768.81	3737785.32	7.73E-08	0.00E+00	0.00E+00	0.00E+00	7.73E-08	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	7.92E-09	0.00E+00	0.00E+00	0.00E+00	7.92E-09
737	381788.81	3737785.32	7.33E-08	0.00E+00	0.00E+00	0.00E+00	7.33E-08	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	7.50E-09	0.00E+00	0.00E+00	0.00E+00	7.50E-09
738	381808.81	3737785.32	6.94E-08	0.00E+00	0.00E+00	0.00E+00	6.94E-08	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	7.11E-09	0.00E+00	0.00E+00	0.00E+00	7.11E-09
739	381828.81	3737785.32	6.58E-08	0.00E+00	0.00E+00	0.00E+00	6.58E-08	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	6.74E-09	0.00E+00	0.00E+00	0.00E+00	6.74E-09
740	381848.81	3737785.32	6.23E-08	0.00E+00	0.00E+00	0.00E+00	6.23E-08	9.61E-09	0.00E+00	0.00E+00	0.00E+00	9.61E-09	6.39E-09	0.00E+00	0.00E+00	0.00E+00	6.39E-09
741	381868.81	3737785.32	5.91E-08	0.00E+00	0.00E+00	0.00E+00	5.91E-08	9.12E-09	0.00E+00	0.00E+00	0.00E+00	9.12E-09	6.06E-09	0.00E+00	0.00E+00	0.00E+00	6.06E-09
742	381888.81	3737785.32	5.61E-08	0.00E+00	0.00E+00	0.00E+00	5.61E-08	8.65E-09	0.00E+00	0.00E+00	0.00E+00	8.65E-09	5.75E-09	0.00E+00	0.00E+00	0.00E+00	5.75E-09
743	381908.81	3737785.32	5.33E-08	0.00E+00	0.00E+00	0.00E+00	5.33E-08	8.21E-09	0.00E+00	0.00E+00	0.00E+00	8.21E-09	5.46E-09	0.00E+00	0.00E+00	0.00E+00	5.46E-09
744	381928.81	3737785.32	5.06E-08	0.00E+00	0.00E+00	0.00E+00	5.06E-08	7.80E-09	0.00E+00	0.00E+00	0.00E+00	7.80E-09	5.18E-09	0.00E+00	0.00E+00	0.00E+00	5.18E-09
745	381948.81	3737785.32	4.81E-08	0.00E+00	0.00E+00	0.00E+00	4.81E-08	7.42E-09	0.00E+00	0.00E+00	0.00E+00	7.42E-09	4.93E-09	0.00E+00	0.00E+00	0.00E+00	4.93E-09
746	381968.81	3737785.32	4.58E-08	0.00E+00	0.00E+00	0.00E+00	4.58E-08	7.06E-09	0.00E+00	0.00E+00	0.00E+00	7.06E-09	4.69E-09	0.00E+00	0.00E+00	0.00E+00	4.69E-09
747	381988.81	3737785.32	4.36E-08	0.00E+00	0.00E+00	0.00E+00	4.36E-08	6.73E-09	0.00E+00	0.00E+00	0.00E+00	6.73E-09	4.47E-09	0.00E+00	0.00E+00	0.00E+00	4.47E-09
748	382008.81	3737785.32	4.16E-08	0.00E+00	0.00E+00	0.00E+00	4.16E-08	6.41E-09	0.00E+00	0.00E+00	0.00E+00	6.41E-09	4.26E-09	0.00E+00	0.00E+00	0.00E+00	4.26E-09
749	382028.81	3737785.32	3.96E-08	0.00E+00	0.00E+00	0.00E+00	3.96E-08	6.11E-09	0.00E+00	0.00E+00	0.00E+00	6.11E-09	4.06E-09	0.00E+00	0.00E+00	0.00E+00	4.06E-09
750	382048.81	3737785.32	3.78E-08	0.00E+00	0.00E+00	0.00E+00	3.78E-08	5.83E-09	0.00E+00	0.00E+00	0.00E+00	5.83E-09	3.88E-09	0.00E+00	0.00E+00	0.00E+00	3.88E-09
751	382068.81	3737785.32	3.63E-08	0.00E+00	0.00E+00	0.00E+00	3.63E-08	5.59E-09	0.00E+00	0.00E+00	0.00E+00	5.59E-09	3.71E-09	0.00E+00	0.00E+00	0.00E+00	3.71E-09
752	382088.81	3737785.32	3.47E-08	0.00E+00	0.00E+00	0.00E+00	3.47E-08	5.35E-09	0.00E+00	0.00E+00	0.00E+00	5.35E-09	3.56E-09	0.00E+00	0.00E+00	0.00E+00	3.56E-09
753	382108.81	3737785.32	3.33E-08	0.00E+00	0.00E+00	0.00E+00	3.33E-08	5.13E-09	0.00E+00	0.00E+00	0.00E+00	5.13E-09	3.41E-09	0.00E+00	0.00E+00	0.00E+00	3.41E-09
754	382128.81	3737785.32	3.19E-08	0.00E+00	0.00E+00	0.00E+00	3.19E-08	4.91E-09	0.00E+00	0.00E+00	0.00E+00	4.91E-09	3.27E-09	0.00E+00	0.00E+00	0.00E+00	3.27E-09
755	382148.81	3737785.32	3.06E-08	0.00E+00	0.00E+00	0.00E+00	3.06E-08	4.71E-09	0.00E+00	0.00E+00	0.00E+00	4.71E-09	3.13E-09	0.00E+00	0.00E+00	0.00E+00	3.13E-09
756	382168.81	3737785.32	2.94E-08	0.00E+00	0.00E+00	0.00E+00	2.94E-08	4.53E-09	0.00E+00	0.00E+00	0.00E+00	4.53E-09	3.01E-09	0.00E+00	0.00E+00	0.00E+00	3.01E-09
757	382188.81	3737785.32	2.82E-08	0.00E+00	0.00E+00	0.00E+00	2.82E-08	4.35E-09	0.00E+00	0.00E+00	0.00E+00	4.35E-09	2.89E-09	0.00E+00	0.00E+00	0.00E+00	2.89E-09
758	382208.81	3737785.32	2.71E-08	0.00E+00	0.00E+00	0.00E+00	2.71E-08	4.18E-09	0.00E+00	0.00E+00	0.00E+00	4.18E-09	2.78E-09	0.00E+00	0.00E+00	0.00E+00	2.78E-09
759	382228.81	3737785.32	2.61E-08	0.00E+00	0.00E+00	0.00E+00	2.61E-08	4.02E-09	0.00E+00	0.00E+00	0.00E+00	4.02E-09	2.67E-09	0.00E+00	0.00E+00	0.00E+00	2.67E-09
760	382248.81	3737785.32	2.50E-08	0.00E+00	0.00E+00	0.00E+00	2.50E-08	3.85E-09	0.00E+00	0.00E+00	0.00E+00	3.85E-09	2.56E-09	0.00E+00	0.00E+00	0.00E+00	2.56E-09
761	382268.81	3737785.32	2.41E-08	0.00E+00	0.00E+00	0.00E+00	2.41E-08	3.71E-09	0.00E+00	0.00E+00	0.00E+00	3.71E-09	2.47E-09	0.00E+00	0.00E+00	0.00E+00	2.47E-09
762	382288.81	3737785.32	2.33E-08	0.00E+00	0.00E+00	0.00E+00	2.33E-08	3.59E-09	0.00E+00	0.00E+00	0.00E+00	3.59E-09	2.39E-09	0.00E+00	0.00E+00	0.00E+00	2.39E-09
763	382308.81	3737785.32	2.26E-08	0.00E+00	0.00E+00	0.00E+00	2.26E-08	3.48E-09	0.00E+00	0.00E+00	0.00E+00	3.48E-09	2.31E-09	0.00E+00	0.00E+00	0.00E+00	2.31E-09
764	382328.81	3737785.32	2.18E-08	0.00E+00	0.00E+00	0.00E+00	2.18E-08	3.36E-09	0.00E+00	0.00E+00	0.00E+00	3.36E-09	2.23E-09	0.00E+00	0.00E+00	0.00E+00	2.23E-09
765	382348.81	3737785.32	2.11E-08	0.00E+00	0.00E+00	0.00E+00	2.11E-08	3.25E-09	0.00E+00	0.00E+00	0.00E+00	3.25E-09	2.16E-09	0.00E+00	0.00E+00	0.00E+00	2.16E-09
766	382368.81	3737785.32	2.04E-08	0.00E+00	0.00E+00	0.00E+00	2.04E-08	3.14E-09	0.00E+00	0.00E+00	0.00E+00	3.14E-09	2.09E-09	0.00E+00	0.00E+00	0.00E+00	2.09E-09
767	382388.81	3737785.32	1.97E-08	0.00E+00	0.00E+00	0.00E+00	1.97E-08	3.04E-09	0.00E+00	0.00E+00	0.00E+00	3.04E-09	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09
768	382408.81	3737785.32	1.91E-08	0.00E+00	0.00E+00	0.00E+00	1.91E-08	2.94E-09	0.00E+00	0.00E+00	0.00E+00	2.94E-09	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09
769	382428.81	3737785.32	1.85E-08	0.00E+00	0.00E+00	0.00E+00	1.85E-08	2.85E-09	0.00E+00	0.00E+00	0.00E+00	2.85E-09	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09
770	382448.81	3737785.32	1.79E-08	0.00E+00	0.00E+00	0.00E+00	1.79E-08	2.76E-09	0.00E+00	0.00E+00	0.00E+00	2.76E-09	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09
771	382468.81	3737785.32	1.73E-08	0.00E+00	0.00E+00	0.00E+00	1.73E-08	2.66E-09	0.00E+00	0.00E+00	0.00E+00	2.66E-09	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09
772	382488.81	3737785.32	1.67E-08	0.00E+00	0.00E+00	0.00E+00	1.67E-08	2.58E-09	0.00E+00	0.00E+00	0.00E+00	2.58E-09	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09
773	382508.81	3737785.32	1.62E-08	0.00E+00	0.00E+00	0.00E+00	1.62E-08	2.50E-09	0.00E+00	0.00E+00	0.00E+00	2.50E-09	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09
774	382528.81	3737785.32	1.58E-08	0.00E+00	0.00E+00	0.00E+00	1.58E-08	2.44E-09	0.00E+00	0.00E+00	0.00E+00	2.44E-09	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09
775	382548.81	3737785.32	1.54E-08	0.00E+00	0.00E+00	0.00E+00	1.54E-08	2.37E-09	0.00E+00	0.00E+00	0.00E+00	2.37E-09	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09
776	382568.81	3737785.32	1.49E-08	0.00E+00	0.00E+00	0.00E+00	1.49E-08	2.30E-09	0.00E+00	0.00E+00	0.00E+00	2.30E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09
777	382588.81	3737785.32	1.45E-08	0.00E+00	0.00E+00	0.00E+00	1.45E-08	2.23E-09	0.00E+00	0.00E+00	0.00E+00	2.23E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09
778	382608.81	3737785.32	1.41E-08	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.17E-09	0.00E+00	0.00E+00	0.00E+00	2.17E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09
779	382628.81	3737785.32	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.11E-09	0.00E+00	0.00E+00	0.00E+00	2.11E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09
780	382648.81	3737785.32	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
781	382668.81	3737785.32	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
782	382688.81	3737785.32	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
783	382708.81	3737785.32	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
784	382728.81	3737785.32	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
785	382748.81	3737785.32	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
786	382768.81	3737785.32	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
787	381628.81	3737805.62	1.08E-07	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.67E-08	0.00E+00	0.00E+00	0.00E+00	1.67E-08	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08
788	381648.81	3737805.62	1.03E-07	0.00E+00	0.00E+00	0.00E+00	1.03E-07	1.59E-08	0.00E+00	0.00E+00	0.00E+00	1.59E-08	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08
789	381668.81	3737805.62	9.81E-08	0.00E+00	0.00E+00	0.00E+00	9.81E-08	1.51E-08	0.00E+00	0.00E+00	0.00E+00	1.51E-08	1.00E-08	0.00E+00	0.00E+00	0.00E+00	1.00E-08
790	381688.81	3737805.62	9.36E-08	0.00E+00	0.00E+00	0.00E+00	9.36E-08	1.44E-08	0.00E+00	0.00E+00	0.00E+00	1.44E-08	9.59E-09	0.00E+00	0.00E+00	0.00E+00	9.59E-09
791	381708.81	3737805.62	8.94E-08	0.00E+00	0.00E+00	0.00E+00	8.94E-08	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	9.16E-09	0.00E+00	0.00E+00	0.00E+00	9.16E-09
792	381728.81	3737805.62	8.50E-08	0.00E+00	0.00E+00	0.00E+00	8.50E-08	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	8.71E-09	0.00E+00	0.00E+00	0.00E+00	8.71E-09
793	381748.81	3737805.62	8.08E-08	0.00E+00	0.00E+00	0.00E+00	8.08E-08	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	8.28E-09	0.00E+00	0.00E+00	0.00E+00	8.28E-09
794	381768.81	3737805.62	7.67E-08	0.00E+00	0.00E+00	0.00E+00	7.67E-08	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	7.85E-09	0.00E+00	0.00E+00	0.00E+00	7.85E-09
795	381788.81	3737805.62	7.27E-08	0.00E+00	0.00E+00	0.00E+00	7.27E-08	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	7.45E-09	0.00E+00	0.00E+00	0.00E+00	7.45E-09
796	381808.81	3737805.62	6.90E-08	0.00E+00	0.00E+00	0.00E+00	6.90E-08	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	7.07E-09	0.00E+00	0.00E+00	0.00E+00	7.07E-09
797	381828.81	3737805.62	6.54E-08	0.00E+00	0.00E+00	0.00E+00	6.54E-08	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	6.70E-09	0.00E+00	0.00E+00	0.00E+00	6.70E-09
798	381848.81	3737805.62	6.21E-08	0.00E+00	0.00E+00	0.00E+00	6.21E-08	9.57E-09	0.00E+00	0.00E+00	0.00E+00	9.57E-09	6.36E-09	0.00E+00	0.00E+00	0.00E+00	6.36E-09
799	381868.81	3737805.62	5.89E-08	0.00E+00	0.00E+00	0.00E+00	5.89E-08	9.08E-09	0.00E+00	0.00E+00	0.00E+00	9.08E-09	6.03E-09	0.00E+00	0.00E+00	0.00E+00	6.03E-09
800	381888.81	3737805.62	5.59E-08	0.00E+00	0.00E+00	0.00E+00	5.59E-08	8.62E-09	0.00E+00	0.00E+00	0.00E+00	8.62E-09	5.73E-09	0.00E+00	0.00E+00	0.00E+00	5.73E-09
801	381908.81	3737805.62	5.31E-08	0.00E+00	0.00E+00	0.00E+00	5.31E-08	8.19E-09	0.00E+00	0.00E+00	0.00E+00	8.19E-09	5.44E-09	0.00E+00	0.00E+00	0.00E+00	5.44E-09
802	381928.81	3737805.62	5.05E-08	0.00E+00	0.00E+00	0.00E+00	5.05E-08	7.79E-09	0.00E+00	0.00E+00	0.00E+00	7.79E-09	5.17E-09	0.00E+00	0.00E+00	0.00E+00	5.17E-09
803	381948.81	3737805.62	4.81E-08	0.00E+00	0.00E+00	0.00E+00	4.81E-08	7.41E-09	0.00E+00	0.00E+00	0.00E+00	7.41E-09	4.93E-09	0.00E+00	0.00E+00	0.00E+00	4.93E-09
804	381968.81	3737805.62	4.58E-08	0.00E+00	0.00E+00	0.00E+00	4.58E-08	7.06E-09	0.00E+00	0.00E+00	0.00E+00	7.06E-09	4.69E-09	0.00E+00	0.00E+00	0.00E+00	4.69E-09
805	381988.81	3737805.62	4.36E-08	0.00E+00	0.00E+00	0.00E+00	4.36E-08	6.73E-09	0.00E+00	0.00E+00	0.00E+00	6.73E-09	4.47E-09	0.00E+00	0.00E+00	0.00E+00	4.47E-09
806	382008.81	3737805.62	4.16E-08	0.00E+00	0.00E+00	0.00E+00	4.16E-08	6.41E-09	0.00E+00	0.00E+00	0.00E+00	6.41E-09	4.26E-09	0.00E+00	0.00E+00	0.00E+00	4.26E-09
807	382028.81	3737805.62	3.96E-08	0.00E+00	0.00E+00	0.00E+00	3.96E-08	6.11E-09	0.00E+00	0.00E+00	0.00E+00	6.11E-09	4.06E-09	0.00E+00	0.00E+00	0.00E+00	4.06E-09
808	382048.81	3737805.62	3.79E-08	0.00E+00	0.00E+00	0.00E+00	3.79E-08	5.84E-09	0.00E+00	0.00E+00	0.00E+00	5.84E-09	3.88E-09	0.00E+00	0.00E+00	0.00E+00	3.88E-09
809	382068.81	3737805.62	3.63E-08	0.00E+00	0.00E+00	0.00E+00	3.63E-08	5.59E-09	0.00E+00	0.00E+00	0.00E+00	5.59E-09	3.72E-09	0.00E+00	0.00E+00	0.00E+00	3.72E-09
810	382088.81	3737805.62	3.47E-08	0.00E+00	0.00E+00	0.00E+00	3.47E-08	5.36E-09	0.00E+00	0.00E+00	0.00E+00	5.36E-09	3.56E-09	0.00E+00	0.00E+00	0.00E+00	3.56E-09
811	382108.81	3737805.62	3.33E-08	0.00E+00	0.00E+00	0.00E+00	3.33E-08	5.13E-09	0.00E+00	0.00E+00	0.00E+00	5.13E-09	3.41E-09	0.00E+00	0.00E+00	0.00E+00	3.41E-09
812	382128.81	3737805.62	3.19E-08	0.00E+00	0.00E+00	0.00E+00	3.19E-08	4.92E-09	0.00E+00	0.00E+00	0.00E+00	4.92E-09	3.27E-09	0.00E+00	0.00E+00	0.00E+00	3.27E-09
813	382148.81	3737805.62	3.07E-08	0.00E+00	0.00E+00	0.00E+00	3.07E-08	4.72E-09	0.00E+00	0.00E+00	0.00E+00	4.72E-09	3.14E-09	0.00E+00	0.00E+00	0.00E+00	3.14E-09
814	382168.81	3737805.62	2.94E-08	0.00E+00	0.00E+00	0.00E+00	2.94E-08	4.54E-09	0.00E+00	0.00E+00	0.00E+00	4.54E-09	3.02E-09	0.00E+00	0.00E+00	0.00E+00	3.02E-09
815	382188.81	3737805.62	2.83E-08	0.00E+00	0.00E+00	0.00E+00	2.83E-08	4.36E-09	0.00E+00	0.00E+00	0.00E+00	4.36E-09	2.90E-09	0.00E+00	0.00E+00	0.00E+00	2.90E-09
816	382208.81	3737805.62	2.72E-08	0.00E+00	0.00E+00	0.00E+00	2.72E-08	4.19E-09	0.00E+00	0.00E+00	0.00E+00	4.19E-09	2.79E-09	0.00E+00	0.00E+00	0.00E+00	2.79E-09
817	382228.81	3737805.62	2.62E-08	0.00E+00	0.00E+00	0.00E+00	2.62E-08	4.04E-09	0.00E+00	0.00E+00	0.00E+00	4.04E-09	2.68E-09	0.00E+00	0.00E+00	0.00E+00	2.68E-09
818	382248.81	3737805.62	2.51E-08	0.00E+00	0.00E+00	0.00E+00	2.51E-08	3.87E-09	0.00E+00	0.00E+00	0.00E+00	3.87E-09	2.57E-09	0.00E+00	0.00E+00	0.00E+00	2.57E-09
819	382268.81	3737805.62	2.42E-08	0.00E+00	0.00E+00	0.00E+00	2.42E-08	3.73E-09	0.00E+00	0.00E+00	0.00E+00	3.73E-09	2.48E-09	0.00E+00	0.00E+00	0.00E+00	2.48E-09
820	382288.81	3737805.62	2.35E-08	0.00E+00	0.00E+00	0.00E+00	2.35E-08	3.62E-09	0.00E+00	0.00E+00	0.00E+00	3.62E-09	2.40E-09	0.00E+00	0.00E+00	0.00E+00	2.40E-09
821	382308.81	3737805.62	2.26E-08	0.00E+00	0.00E+00	0.00E+00	2.26E-08	3.49E-09	0.00E+00	0.00E+00	0.00E+00	3.49E-09	2.32E-09	0.00E+00	0.00E+00	0.00E+00	2.32E-09
822	382328.81	3737805.62	2.19E-08	0.00E+00	0.00E+00	0.00E+00	2.19E-08	3.37E-09	0.00E+00	0.00E+00	0.00E+00	3.37E-09	2.24E-09	0.00E+00	0.00E+00	0.00E+00	2.24E-09
823	382348.81	3737805.62	2.11E-08	0.00E+00	0.00E+00	0.00E+00	2.11E-08	3.26E-09	0.00E+00	0.00E+00	0.00E+00	3.26E-09	2.16E-09	0.00E+00	0.00E+00	0.00E+00	2.16E-09
824	382368.81	3737805.62	2.04E-08	0.00E+00	0.00E+00	0.00E+00	2.04E-08	3.15E-09	0.00E+00	0.00E+00	0.00E+00	3.15E-09	2.09E-09	0.00E+00	0.00E+00	0.00E+00	2.09E-09
825	382388.81	3737805.62	1.98E-08	0.00E+00	0.00E+00	0.00E+00	1.98E-08	3.05E-09	0.00E+00	0.00E+00	0.00E+00	3.05E-09	2.03E-09	0.00E+00	0.00E+00	0.00E+00	2.03E-09
826	382408.81	3737805.62	1.91E-08	0.00E+00	0.00E+00	0.00E+00	1.91E-08	2.95E-09	0.00E+00	0.00E+00	0.00E+00	2.95E-09	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09
827	382428.81	3737805.62	1.85E-08	0.00E+00	0.00E+00	0.00E+00	1.85E-08	2.86E-09	0.00E+00	0.00E+00	0.00E+00	2.86E-09	1.90E-09	0.00E+00	0.00E+00	0.00E+00	1.90E-09
828	382448.81	3737805.62	1.79E-08	0.00E+00	0.00E+00	0.00E+00	1.79E-08	2.76E-09	0.00E+00	0.00E+00	0.00E+00	2.76E-09	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09
829	382468.81	3737805.62	1.73E-08	0.00E+00	0.00E+00	0.00E+00	1.73E-08	2.66E-09	0.00E+00	0.00E+00	0.00E+00	2.66E-09	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09
830	382488.81	3737805.62	1.67E-08	0.00E+00	0.00E+00	0.00E+00	1.67E-08	2.58E-09	0.00E+00	0.00E+00	0.00E+00	2.58E-09	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09
831	382508.81	3737805.62	1.63E-08	0.00E+00	0.00E+00	0.00E+00	1.63E-08	2.51E-09	0.00E+00	0.00E+00	0.00E+00	2.51E-09	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09
832	382528.81	3737805.62	1.58E-08	0.00E+00	0.00E+00	0.00E+00	1.58E-08	2.44E-09	0.00E+00	0.00E+00	0.00E+00	2.44E-09	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09
833	382548.81	3737805.62	1.54E-08	0.00E+00	0.00E+00	0.00E+00	1.54E-08	2.38E-09	0.00E+00	0.00E+00	0.00E+00	2.38E-09	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09
834	382568.81	3737805.62	1.50E-08	0.00E+00	0.00E+00	0.00E+00	1.50E-08	2.31E-09	0.00E+00	0.00E+00	0.00E+00	2.31E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09
835	382588.81	3737805.62	1.46E-08	0.00E+00	0.00E+00	0.00E+00	1.46E-08	2.25E-09	0.00E+00	0.00E+00	0.00E+00	2.25E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09
836	382608.81	3737805.62	1.42E-08	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.18E-09	0.00E+00	0.00E+00	0.00E+00	2.18E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09

837	382628.81	3737805.62	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.12E-09	0.00E+00	0.00E+00	0.00E+00	2.12E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
838	382648.81	3737805.62	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.07E-09	0.00E+00	0.00E+00	0.00E+00	2.07E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
839	382668.81	3737805.62	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
840	382688.81	3737805.62	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
841	382708.81	3737805.62	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
842	381628.81	3737825.92	1.06E-07	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.64E-08	0.00E+00	0.00E+00	0.00E+00	1.64E-08	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08
843	381648.81	3737825.92	1.01E-07	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.56E-08	0.00E+00	0.00E+00	0.00E+00	1.56E-08	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08
844	381668.81	3737825.92	9.65E-08	0.00E+00	0.00E+00	0.00E+00	9.65E-08	1.49E-08	0.00E+00	0.00E+00	0.00E+00	1.49E-08	9.88E-09	0.00E+00	0.00E+00	0.00E+00	9.88E-09
845	381688.81	3737825.92	9.20E-08	0.00E+00	0.00E+00	0.00E+00	9.20E-08	1.42E-08	0.00E+00	0.00E+00	0.00E+00	1.42E-08	9.43E-09	0.00E+00	0.00E+00	0.00E+00	9.43E-09
846	381708.81	3737825.92	8.83E-08	0.00E+00	0.00E+00	0.00E+00	8.83E-08	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	9.04E-09	0.00E+00	0.00E+00	0.00E+00	9.04E-09
847	381728.81	3737825.92	8.41E-08	0.00E+00	0.00E+00	0.00E+00	8.41E-08	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	8.61E-09	0.00E+00	0.00E+00	0.00E+00	8.61E-09
848	381748.81	3737825.92	8.00E-08	0.00E+00	0.00E+00	0.00E+00	8.00E-08	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	8.19E-09	0.00E+00	0.00E+00	0.00E+00	8.19E-09
849	381768.81	3737825.92	7.60E-08	0.00E+00	0.00E+00	0.00E+00	7.60E-08	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	7.78E-09	0.00E+00	0.00E+00	0.00E+00	7.78E-09
850	381788.81	3737825.92	7.22E-08	0.00E+00	0.00E+00	0.00E+00	7.22E-08	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	7.39E-09	0.00E+00	0.00E+00	0.00E+00	7.39E-09
851	381808.81	3737825.92	6.85E-08	0.00E+00	0.00E+00	0.00E+00	6.85E-08	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	7.02E-09	0.00E+00	0.00E+00	0.00E+00	7.02E-09
852	381828.81	3737825.92	6.51E-08	0.00E+00	0.00E+00	0.00E+00	6.51E-08	1.00E-08	0.00E+00	0.00E+00	0.00E+00	1.00E-08	6.66E-09	0.00E+00	0.00E+00	0.00E+00	6.66E-09
853	381848.81	3737825.92	6.18E-08	0.00E+00	0.00E+00	0.00E+00	6.18E-08	9.52E-09	0.00E+00	0.00E+00	0.00E+00	9.52E-09	6.33E-09	0.00E+00	0.00E+00	0.00E+00	6.33E-09
854	381868.81	3737825.92	5.86E-08	0.00E+00	0.00E+00	0.00E+00	5.86E-08	9.04E-09	0.00E+00	0.00E+00	0.00E+00	9.04E-09	6.01E-09	0.00E+00	0.00E+00	0.00E+00	6.01E-09
855	381888.81	3737825.92	5.57E-08	0.00E+00	0.00E+00	0.00E+00	5.57E-08	8.59E-09	0.00E+00	0.00E+00	0.00E+00	8.59E-09	5.71E-09	0.00E+00	0.00E+00	0.00E+00	5.71E-09
856	381908.81	3737825.92	5.29E-08	0.00E+00	0.00E+00	0.00E+00	5.29E-08	8.15E-09	0.00E+00	0.00E+00	0.00E+00	8.15E-09	5.42E-09	0.00E+00	0.00E+00	0.00E+00	5.42E-09
857	381928.81	3737825.92	5.04E-08	0.00E+00	0.00E+00	0.00E+00	5.04E-08	7.77E-09	0.00E+00	0.00E+00	0.00E+00	7.77E-09	5.16E-09	0.00E+00	0.00E+00	0.00E+00	5.16E-09
858	381948.81	3737825.92	4.80E-08	0.00E+00	0.00E+00	0.00E+00	4.80E-08	7.40E-09	0.00E+00	0.00E+00	0.00E+00	7.40E-09	4.92E-09	0.00E+00	0.00E+00	0.00E+00	4.92E-09
859	381968.81	3737825.92	4.58E-08	0.00E+00	0.00E+00	0.00E+00	4.58E-08	7.05E-09	0.00E+00	0.00E+00	0.00E+00	7.05E-09	4.69E-09	0.00E+00	0.00E+00	0.00E+00	4.69E-09
860	381988.81	3737825.92	4.36E-08	0.00E+00	0.00E+00	0.00E+00	4.36E-08	6.72E-09	0.00E+00	0.00E+00	0.00E+00	6.72E-09	4.47E-09	0.00E+00	0.00E+00	0.00E+00	4.47E-09
861	382008.81	3737825.92	4.16E-08	0.00E+00	0.00E+00	0.00E+00	4.16E-08	6.41E-09	0.00E+00	0.00E+00	0.00E+00	6.41E-09	4.26E-09	0.00E+00	0.00E+00	0.00E+00	4.26E-09
862	382028.81	3737825.92	3.97E-08	0.00E+00	0.00E+00	0.00E+00	3.97E-08	6.12E-09	0.00E+00	0.00E+00	0.00E+00	6.12E-09	4.07E-09	0.00E+00	0.00E+00	0.00E+00	4.07E-09
863	382048.81	3737825.92	3.80E-08	0.00E+00	0.00E+00	0.00E+00	3.80E-08	5.85E-09	0.00E+00	0.00E+00	0.00E+00	5.85E-09	3.89E-09	0.00E+00	0.00E+00	0.00E+00	3.89E-09
864	382068.81	3737825.92	3.63E-08	0.00E+00	0.00E+00	0.00E+00	3.63E-08	5.60E-09	0.00E+00	0.00E+00	0.00E+00	5.60E-09	3.72E-09	0.00E+00	0.00E+00	0.00E+00	3.72E-09
865	382088.81	3737825.92	3.48E-08	0.00E+00	0.00E+00	0.00E+00	3.48E-08	5.36E-09	0.00E+00	0.00E+00	0.00E+00	5.36E-09	3.56E-09	0.00E+00	0.00E+00	0.00E+00	3.56E-09
866	382108.81	3737825.92	3.33E-08	0.00E+00	0.00E+00	0.00E+00	3.33E-08	5.14E-09	0.00E+00	0.00E+00	0.00E+00	5.14E-09	3.41E-09	0.00E+00	0.00E+00	0.00E+00	3.41E-09
867	382128.81	3737825.92	3.20E-08	0.00E+00	0.00E+00	0.00E+00	3.20E-08	4.93E-09	0.00E+00	0.00E+00	0.00E+00	4.93E-09	3.28E-09	0.00E+00	0.00E+00	0.00E+00	3.28E-09
868	382148.81	3737825.92	3.07E-08	0.00E+00	0.00E+00	0.00E+00	3.07E-08	4.73E-09	0.00E+00	0.00E+00	0.00E+00	4.73E-09	3.14E-09	0.00E+00	0.00E+00	0.00E+00	3.14E-09
869	382168.81	3737825.92	2.95E-08	0.00E+00	0.00E+00	0.00E+00	2.95E-08	4.55E-09	0.00E+00	0.00E+00	0.00E+00	4.55E-09	3.02E-09	0.00E+00	0.00E+00	0.00E+00	3.02E-09
870	382188.81	3737825.92	2.83E-08	0.00E+00	0.00E+00	0.00E+00	2.83E-08	4.37E-09	0.00E+00	0.00E+00	0.00E+00	4.37E-09	2.90E-09	0.00E+00	0.00E+00	0.00E+00	2.90E-09
871	382208.81	3737825.92	2.73E-08	0.00E+00	0.00E+00	0.00E+00	2.73E-08	4.20E-09	0.00E+00	0.00E+00	0.00E+00	4.20E-09	2.79E-09	0.00E+00	0.00E+00	0.00E+00	2.79E-09
872	382228.81	3737825.92	2.63E-08	0.00E+00	0.00E+00	0.00E+00	2.63E-08	4.05E-09	0.00E+00	0.00E+00	0.00E+00	4.05E-09	2.69E-09	0.00E+00	0.00E+00	0.00E+00	2.69E-09
873	382248.81	3737825.92	2.52E-08	0.00E+00	0.00E+00	0.00E+00	2.52E-08	3.89E-09	0.00E+00	0.00E+00	0.00E+00	3.89E-09	2.58E-09	0.00E+00	0.00E+00	0.00E+00	2.58E-09
874	382268.81	3737825.92	2.43E-08	0.00E+00	0.00E+00	0.00E+00	2.43E-08	3.75E-09	0.00E+00	0.00E+00	0.00E+00	3.75E-09	2.49E-09	0.00E+00	0.00E+00	0.00E+00	2.49E-09
875	382288.81	3737825.92	2.35E-08	0.00E+00	0.00E+00	0.00E+00	2.35E-08	3.63E-09	0.00E+00	0.00E+00	0.00E+00	3.63E-09	2.41E-09	0.00E+00	0.00E+00	0.00E+00	2.41E-09
876	382308.81	3737825.92	2.27E-08	0.00E+00	0.00E+00	0.00E+00	2.27E-08	3.50E-09	0.00E+00	0.00E+00	0.00E+00	3.50E-09	2.33E-09	0.00E+00	0.00E+00	0.00E+00	2.33E-09
877	382328.81	3737825.92	2.19E-08	0.00E+00	0.00E+00	0.00E+00	2.19E-08	3.38E-09	0.00E+00	0.00E+00	0.00E+00	3.38E-09	2.25E-09	0.00E+00	0.00E+00	0.00E+00	2.25E-09
878	382348.81	3737825.92	2.12E-08	0.00E+00	0.00E+00	0.00E+00	2.12E-08	3.27E-09	0.00E+00	0.00E+00	0.00E+00	3.27E-09	2.17E-09	0.00E+00	0.00E+00	0.00E+00	2.17E-09
879	382368.81	3737825.92	2.05E-08	0.00E+00	0.00E+00	0.00E+00	2.05E-08	3.16E-09	0.00E+00	0.00E+00	0.00E+00	3.16E-09	2.10E-09	0.00E+00	0.00E+00	0.00E+00	2.10E-09
880	382388.81	3737825.92	1.98E-08	0.00E+00	0.00E+00	0.00E+00	1.98E-08	3.06E-09	0.00E+00	0.00E+00	0.00E+00	3.06E-09	2.03E-09	0.00E+00	0.00E+00	0.00E+00	2.03E-09
881	382408.81	3737825.92	1.92E-08	0.00E+00	0.00E+00	0.00E+00	1.92E-08	2.96E-09	0.00E+00	0.00E+00	0.00E+00	2.96E-09	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09
882	382428.81	3737825.92	1.86E-08	0.00E+00	0.00E+00	0.00E+00	1.86E-08	2.87E-09	0.00E+00	0.00E+00	0.00E+00	2.87E-09	1.90E-09	0.00E+00	0.00E+00	0.00E+00	1.90E-09
883	382448.81	3737825.92	1.79E-08	0.00E+00	0.00E+00	0.00E+00	1.79E-08	2.76E-09	0.00E+00	0.00E+00	0.00E+00	2.76E-09	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09
884	382468.81	3737825.92	1.73E-08	0.00E+00	0.00E+00	0.00E+00	1.73E-08	2.66E-09	0.00E+00	0.00E+00	0.00E+00	2.66E-09	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09
885	382488.81	3737825.92	1.67E-08	0.00E+00	0.00E+00	0.00E+00	1.67E-08	2.58E-09	0.00E+00	0.00E+00	0.00E+00	2.58E-09	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09
886	382508.81	3737825.92	1.63E-08	0.00E+00	0.00E+00	0.00E+00	1.63E-08	2.51E-09	0.00E+00	0.00E+00	0.00E+00	2.51E-09	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09
887	382528.81	3737825.92	1.59E-08	0.00E+00	0.00E+00	0.00E+00	1.59E-08	2.44E-09	0.00E+00	0.00E+00	0.00E+00	2.44E-09	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09
888	382548.81	3737825.92	1.55E-08	0.00E+00	0.00E+00	0.00E+00	1.55E-08	2.38E-09	0.00E+00	0.00E+00	0.00E+00	2.38E-09	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09
889	382568.81	3737825.92	1.51E-08	0.00E+00	0.00E+00	0.00E+00	1.51E-08	2.32E-09	0.00E+00	0.00E+00	0.00E+00	2.32E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09
890	382588.81	3737825.92	1.46E-08	0.00E+00	0.00E+00	0.00E+00	1.46E-08	2.26E-09	0.00E+00	0.00E+00	0.00E+00	2.26E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09
891	382608.81	3737825.92	1.42E-08	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.19E-09	0.00E+00	0.00E+00	0.00E+00	2.19E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09
892	382628.81	3737825.92	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.13E-09	0.00E+00	0.00E+00	0.00E+00	2.13E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09
893	381628.81	3737846.22	1.04E-07	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.60E-08	0.00E+00	0.00E+00	0.00E+00	1.60E-08	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08
894	381648.81	3737846.22	9.94E-08	0.00E+00	0.00E+00	0.00E+00	9.94E-08	1.53E-08	0.00E+00	0.00E+00	0.00E+00	1.53E-08	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08
895	381668.81	3737846.22	9.47E-08	0.00E+00	0.00E+00	0.00E+00	9.47E-08	1.46E-08	0.00E+00	0.00E+00	0.00E+00	1.46E-08	9.70E-09	0.00E+00	0.00E+00	0.00E+00	9.70E-09
896	381688.81	3737846.22	8.99E-08	0.00E+00	0.00E+00	0.00E+00	8.99E-08	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	9.21E-09	0.00E+00	0.00E+00	0.00E+00	9.21E-09
897	381708.81	3737846.22	8.66E-08	0.00E+00	0.00E+00	0.00E+00	8.66E-08	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	8.87E-09	0.00E+00	0.00E+00	0.00E+00	8.87E-09
898	381728.81	3737846.22	8.31E-08	0.00E+00	0.00E+00	0.00E+00	8.31E-08	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	8.51E-09	0.00E+00	0.00E+00	0.00E+00	8.51E-09
899	381748.81	3737846.22	7.91E-08	0.00E+00	0.00E+00	0.00E+00	7.91E-08	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	8.11E-09	0.00E+00	0.00E+00	0.00E+00	8.11E-09
900	381768.81	3737846.22	7.53E-08	0.00E+00	0.00E+00	0.00E+00	7.53E-08	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	7.71E-09	0.00E+00	0.00E+00	0.00E+00	7.71E-09
901	381788.81	3737846.22	7.16E-08	0.00E+00	0.00E+00	0.00E+00	7.16E-08	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	7.33E-09	0.00E+00	0.00E+00	0.00E+00	7.33E-09
902	381808.81	3737846.22	6.80E-08	0.00E+00	0.00E+00	0.00E+00	6.80E-08	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	6.97E-09	0.00E+00	0.00E+00	0.00E+00	6.97E-09
903	381828.81	3737846.22	6.46E-08	0.00E+00	0.00E+00	0.00E+00	6.46E-08	9.96E-09	0.00E+00	0.00E+00	0.00E+00	9.96E-09	6.62E-09	0.00E+00	0.00E+00	0.00E+00	6.62E-09
904	381848.81	3737846.22	6.14E-08	0.00E+00	0.00E+00	0.00E+00	6.14E-08	9.47E-09	0.00E+00	0.00E+00	0.00E+00	9.47E-09	6.29E-09	0.00E+00	0.00E+00	0.00E+00	6.29E-09
905	381868.81	3737846.22	5.82E-08	0.00E+00	0.00E+00	0.00E+00	5.82E-08	8.98E-09	0.00E+00	0.00E+00	0.00E+00	8.98E-09	5.97E-09	0.00E+00	0.00E+00	0.00E+00	5.97E-09
906	381888.81	3737846.22	5.50E-08	0.00E+00	0.00E+00	0.00E+00	5.50E-08	8.47E-09	0.00E+00	0.00E+00	0.00E+00	8.47E-09	5.63E-09	0.00E+00	0.00E+00	0.00E+00	5.63E-09
907	381908.81	3737846.22	5.22E-08	0.00E+00	0.00E+00	0.00E+00	5.22E-08	8.05E-09	0.00E+00	0.00E+00	0.00E+00	8.05E-09	5.35E-09	0.00E+00	0.00E+00	0.00E+00	5.35E-09
908	381928.81	3737846.22	4.99E-08	0.00E+00	0.00E+00	0.00E+00	4.99E-08	7.70E-09	0.00E+00	0.00E+00	0.00E+00	7.70E-09	5.12E-09	0.00E+00	0.00E+00	0.00E+00	5.12E-09
909	381948.81	3737846.22	4.79E-08	0.00E+00	0.00E+00	0.00E+00	4.79E-08	7.38E-09	0.00E+00	0.00E+00	0.00E+00	7.38E-09	4.91E-09	0.00E+00	0.00E+00	0.00E+00	4.91E-09
910	381968.81	3737846.22	4.57E-08	0.00E+00	0.00E+00	0.00E+00	4.57E-08	7.04E-09	0.00E+00	0.00E+00	0.00E+00	7.04E-09	4.68E-09	0.00E+00	0.00E+00	0.00E+00	4.68E-09
911	381988.81	3737846.22	4.36E-08	0.00E+00	0.00E+00	0.00E+00	4.36E-08	6.72E-09	0.00E+00	0.00E+00	0.00E+00	6.72E-09	4.46E-09	0.00E+00	0.00E+00	0.00E+00	4.46E-09
912	382008.81	3737846.22	4.16E-08	0.00E+00	0.00E+00	0.00E+00	4.16E-08	6.41E-09	0.00E+00	0.00E+00	0.00E+00	6.41E-09	4.26E-09	0.00E+00	0.00E+00	0.00E+00	4.26E-09
913	382028.81	3737846.22	3.97E-08	0.00E+00	0.00E+00	0.00E+00	3.97E-08	6.13E-09	0.00E+00	0.00E+00	0.00E+00	6.13E-09	4.07E-09	0.00E+00	0.00E+00	0.00E+00	4.07E-09
914	382048.81	3737846.22	3.80E-08	0.00E+00	0.00E+00	0.00E+00	3.80E-08	5.86E-09	0.00E+00	0.00E+00	0.00E+00	5.86E-09	3.89E-09	0.00E+00	0.00E+00	0.00E+00	3.89E-09
915	382068.81	3737846.22	3.64E-08	0.00E+00	0.00E+00	0.00E+00	3.64E-08	5.60E-09	0.00E+00	0.00E+00	0.00E+00	5.60E-09	3.72E-09	0.00E+00	0.00E+00	0.00E+00	3.72E-09
916	382088.81	3737846.22	3.48E-08	0.00E+00	0.00E+00	0.00E+00	3.48E-08	5.37E-09	0.00E+00	0.00E+00	0.00E+00	5.37E-09	3.57E-09	0.00E+00	0.00E+00	0.00E+00	3.57E-09
917	382108.81	3737846.22	3.34E-08	0.00E+00	0.00E+00	0.00E+00	3.34E-08	5.14E-09	0.00E+00	0.00E+00	0.00E+00	5.14E-09	3.42E-09	0.00E+00	0.00E+00	0.00E+00	3.42E-09
918	382128.81	3737846.22	3.20E-08	0.00E+00	0.00E+00	0.00E+00	3.20E-08	4.94E-09	0.00E+00	0.00E+00	0.00E+00	4.94E-09	3.28E-09	0.00E+00	0.00E+00	0.00E+00	3.28E-09
919	382148.81	3737846.22	3.07E-08	0.00E+00	0.00E+00	0.00E+00	3.07E-08	4.74E-09	0.00E+00	0.00E+00	0.00E+00	4.74E-09	3.15E-09	0.00E+00	0.00E+00	0.00E+00	3.15E-09
920	382168.81	3737846.22	2.95E-08	0.00E+00	0.00E+00	0.00E+00	2.95E-08	4.55E-09	0.00E+00	0.00E+00	0.00E+00	4.55E-09	3.03E-09	0.00E+00	0.00E+00	0.00E+00	3.03E-09
921	382188.81	3737846.22	2.84E-08	0.00E+00	0.00E+00	0.00E+00	2.84E-08	4.38E-09	0.00E+00	0.00E+00	0.00E+00	4.38E-09	2.91E-09	0.00E+00	0.00E+00	0.00E+00	2.91E-09
922	382208.81	3737846.22	2.73E-08	0.00E+00	0.00E+00	0.00E+00	2.73E-08	4.21E-09	0.00E+00	0.00E+00	0.00E+00	4.21E-09	2.80E-09	0.00E+00	0.00E+00	0.00E+00	2.80E-09
923	382228.81	3737846.22	2.63E-08	0.00E+00	0.00E+00	0.00E+00	2.63E-08	4.05E-09	0.00E+00	0.00E+00	0.00E+00	4.05E-09	2.69E-09	0.00E+00	0.00E+00	0.00E+00	2.69E-09
924	382248.81	3737846.22	2.53E-08	0.00E+00	0.00E+00	0.00E+00	2.53E-08	3.91E-09	0.00E+00	0.00E+00	0.00E+00	3.91E-09	2.60E-09	0.00E+00	0.00E+00	0.00E+00	2.60E-09
925	382268.81	3737846.22	2.44E-08	0.00E+00	0.00E+00	0.00E+00	2.44E-08	3.77E-09	0.00E+00	0.00E+00	0.00E+00	3.77E-09	2.50E-09	0.00E+00	0.00E+00	0.00E+00	2.50E-09
926	382288.81	3737846.22	2.36E-08	0.00E+00	0.00E+00	0.00E+00	2.36E-08	3.64E-09	0.00E+00	0.00E+00	0.00E+00	3.64E-09	2.42E-09	0.00E+00	0.00E+00	0.00E+00	2.42E-09
927	382308.81	3737846.22	2.28E-08	0.00E+00	0.00E+00	0.00E+00	2.28E-08	3.51E-09	0.00E+00	0.00E+00	0.00E+00	3.51E-09	2.33E-09	0.00E+00	0.00E+00	0.00E+00	2.33E-09
928	382328.81	3737846.22	2.20E-08	0.00E+00	0.00E+00	0.00E+00	2.20E-08	3.39E-09	0.00E+00	0.00E+00	0.00E+00	3.39E-09	2.25E-09	0.00E+00	0.00E+00	0.00E+00	2.25E-09
929	382348.81	3737846.22	2.13E-08	0.00E+00	0.00E+00	0.00E+00	2.13E-08	3.28E-09	0.00E+00	0.00E+00	0.00E+00	3.28E-09	2.18E-09	0.00E+00	0.00E+00	0.00E+00	2.18E-09
930	382368.81	3737846.22	2.06E-08	0.00E+00	0.00E+00	0.00E+00	2.06E-08	3.17E-09	0.00E+00	0.00E+00	0.00E+00	3.17E-09	2.11E-09	0.00E+00	0.00E+00	0.00E+00	2.11E-09
931	382388.81	3737846.22	1.99E-08	0.00E+00	0.00E+00	0.00E+00	1.99E-08	3.07E-09	0.00E+00	0.00E+00	0.00E+00	3.07E-09	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09
932	382408.81	3737846.22	1.93E-08	0.00E+00	0.00E+00	0.00E+00	1.93E-08	2.97E-09	0.00E+00	0.00E+00	0.00E+00	2.97E-09	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09
933	382428.81	3737846.22	1.87E-08	0.00E+00	0.00E+00	0.00E+00	1.87E-08	2.88E-09	0.00E+00	0.00E+00	0.00E+00	2.88E-09	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09
934	382448.81	3737846.22	1.80E-08	0.00E+00	0.00E+00	0.00E+00	1.80E-08	2.77E-09	0.00E+00	0.00E+00	0.00E+00	2.77E-09	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09
935	382468.81	3737846.22	1.73E-08	0.00E+00	0.00E+00	0.00E+00	1.73E-08	2.67E-09	0.00E+00	0.00E+00	0.00E+00	2.67E-09	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09
936	382488.81	3737846.22	1.68E-08	0.00E+00	0.00E+00	0.00E+00	1.68E-08	2.58E-09	0.00E+00	0.00E+00	0.00E+00	2.58E-09	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09
937	382508.81	3737846.22	1.63E-08	0.00E+00	0.00E+00	0.00E+00	1.63E-08	2.51E-09	0.00E+00	0.00E+00	0.00E+00	2.51E-09	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09
938	382528.81	3737846.22	1.59E-08	0.00E+00	0.00E+00	0.00E+00	1.59E-08	2.45E-09	0.00E+00	0.00E+00	0.00E+00	2.45E-09	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09
939	382548.81	3737846.22	1.55E-08	0.00E+00	0.00E+00	0.00E+00	1.55E-08	2.39E-09	0.00E+00	0.00E+00	0.00E+00	2.39E-09	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09
940	381608.81	3737866.52	1.06E-07	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.64E-08	0.00E+00	0.00E+00	0.00E+00	1.64E-08	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08
941	381628.81	3737866.52	1.02E-07	0.00E+00	0.00E+00	0.00E+00	1.02E-07	1.57E-08	0.00E+00	0.00E+00	0.00E+00	1.57E-08	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08

942	381648.81	3737866.52	9.79E-08	0.00E+00	0.00E+00	0.00E+00	9.79E-08	1.51E-08	0.00E+00	0.00E+00	0.00E+00	1.51E-08	1.00E-08	0.00E+00	0.00E+00	0.00E+00	1.00E-08
943	381668.81	3737866.52	9.36E-08	0.00E+00	0.00E+00	0.00E+00	9.36E-08	1.44E-08	0.00E+00	0.00E+00	0.00E+00	1.44E-08	9.59E-09	0.00E+00	0.00E+00	0.00E+00	9.59E-09
944	381688.81	3737866.52	8.92E-08	0.00E+00	0.00E+00	0.00E+00	8.92E-08	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	9.13E-09	0.00E+00	0.00E+00	0.00E+00	9.13E-09
945	381708.81	3737866.52	8.55E-08	0.00E+00	0.00E+00	0.00E+00	8.55E-08	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	8.76E-09	0.00E+00	0.00E+00	0.00E+00	8.76E-09
946	381728.81	3737866.52	8.19E-08	0.00E+00	0.00E+00	0.00E+00	8.19E-08	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	8.39E-09	0.00E+00	0.00E+00	0.00E+00	8.39E-09
947	381748.81	3737866.52	7.83E-08	0.00E+00	0.00E+00	0.00E+00	7.83E-08	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	8.02E-09	0.00E+00	0.00E+00	0.00E+00	8.02E-09
948	381768.81	3737866.52	7.45E-08	0.00E+00	0.00E+00	0.00E+00	7.45E-08	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	7.63E-09	0.00E+00	0.00E+00	0.00E+00	7.63E-09
949	381788.81	3737866.52	7.09E-08	0.00E+00	0.00E+00	0.00E+00	7.09E-08	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	7.27E-09	0.00E+00	0.00E+00	0.00E+00	7.27E-09
950	381808.81	3737866.52	6.75E-08	0.00E+00	0.00E+00	0.00E+00	6.75E-08	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	6.91E-09	0.00E+00	0.00E+00	0.00E+00	6.91E-09
951	381828.81	3737866.52	6.42E-08	0.00E+00	0.00E+00	0.00E+00	6.42E-08	9.90E-09	0.00E+00	0.00E+00	0.00E+00	9.90E-09	6.58E-09	0.00E+00	0.00E+00	0.00E+00	6.58E-09
952	381848.81	3737866.52	6.11E-08	0.00E+00	0.00E+00	0.00E+00	6.11E-08	9.41E-09	0.00E+00	0.00E+00	0.00E+00	9.41E-09	6.26E-09	0.00E+00	0.00E+00	0.00E+00	6.26E-09
953	381868.81	3737866.52	5.80E-08	0.00E+00	0.00E+00	0.00E+00	5.80E-08	8.94E-09	0.00E+00	0.00E+00	0.00E+00	8.94E-09	5.94E-09	0.00E+00	0.00E+00	0.00E+00	5.94E-09
954	381888.81	3737866.52	5.49E-08	0.00E+00	0.00E+00	0.00E+00	5.49E-08	8.46E-09	0.00E+00	0.00E+00	0.00E+00	8.46E-09	5.62E-09	0.00E+00	0.00E+00	0.00E+00	5.62E-09
955	381908.81	3737866.52	5.21E-08	0.00E+00	0.00E+00	0.00E+00	5.21E-08	8.03E-09	0.00E+00	0.00E+00	0.00E+00	8.03E-09	5.34E-09	0.00E+00	0.00E+00	0.00E+00	5.34E-09
956	381928.81	3737866.52	4.97E-08	0.00E+00	0.00E+00	0.00E+00	4.97E-08	7.65E-09	0.00E+00	0.00E+00	0.00E+00	7.65E-09	5.09E-09	0.00E+00	0.00E+00	0.00E+00	5.09E-09
957	381948.81	3737866.52	4.76E-08	0.00E+00	0.00E+00	0.00E+00	4.76E-08	7.34E-09	0.00E+00	0.00E+00	0.00E+00	7.34E-09	4.88E-09	0.00E+00	0.00E+00	0.00E+00	4.88E-09
958	381968.81	3737866.52	4.56E-08	0.00E+00	0.00E+00	0.00E+00	4.56E-08	7.03E-09	0.00E+00	0.00E+00	0.00E+00	7.03E-09	4.67E-09	0.00E+00	0.00E+00	0.00E+00	4.67E-09
959	381988.81	3737866.52	4.35E-08	0.00E+00	0.00E+00	0.00E+00	4.35E-08	6.71E-09	0.00E+00	0.00E+00	0.00E+00	6.71E-09	4.46E-09	0.00E+00	0.00E+00	0.00E+00	4.46E-09
960	382008.81	3737866.52	4.16E-08	0.00E+00	0.00E+00	0.00E+00	4.16E-08	6.41E-09	0.00E+00	0.00E+00	0.00E+00	6.41E-09	4.26E-09	0.00E+00	0.00E+00	0.00E+00	4.26E-09
961	382028.81	3737866.52	3.97E-08	0.00E+00	0.00E+00	0.00E+00	3.97E-08	6.12E-09	0.00E+00	0.00E+00	0.00E+00	6.12E-09	4.07E-09	0.00E+00	0.00E+00	0.00E+00	4.07E-09
962	382048.81	3737866.52	3.80E-08	0.00E+00	0.00E+00	0.00E+00	3.80E-08	5.86E-09	0.00E+00	0.00E+00	0.00E+00	5.86E-09	3.89E-09	0.00E+00	0.00E+00	0.00E+00	3.89E-09
963	382068.81	3737866.52	3.64E-08	0.00E+00	0.00E+00	0.00E+00	3.64E-08	5.61E-09	0.00E+00	0.00E+00	0.00E+00	5.61E-09	3.73E-09	0.00E+00	0.00E+00	0.00E+00	3.73E-09
964	382088.81	3737866.52	3.49E-08	0.00E+00	0.00E+00	0.00E+00	3.49E-08	5.37E-09	0.00E+00	0.00E+00	0.00E+00	5.37E-09	3.57E-09	0.00E+00	0.00E+00	0.00E+00	3.57E-09
965	382108.81	3737866.52	3.34E-08	0.00E+00	0.00E+00	0.00E+00	3.34E-08	5.15E-09	0.00E+00	0.00E+00	0.00E+00	5.15E-09	3.42E-09	0.00E+00	0.00E+00	0.00E+00	3.42E-09
966	382128.81	3737866.52	3.21E-08	0.00E+00	0.00E+00	0.00E+00	3.21E-08	4.94E-09	0.00E+00	0.00E+00	0.00E+00	4.94E-09	3.28E-09	0.00E+00	0.00E+00	0.00E+00	3.28E-09
967	382148.81	3737866.52	3.08E-08	0.00E+00	0.00E+00	0.00E+00	3.08E-08	4.74E-09	0.00E+00	0.00E+00	0.00E+00	4.74E-09	3.15E-09	0.00E+00	0.00E+00	0.00E+00	3.15E-09
968	382168.81	3737866.52	2.96E-08	0.00E+00	0.00E+00	0.00E+00	2.96E-08	4.56E-09	0.00E+00	0.00E+00	0.00E+00	4.56E-09	3.03E-09	0.00E+00	0.00E+00	0.00E+00	3.03E-09
969	382188.81	3737866.52	2.85E-08	0.00E+00	0.00E+00	0.00E+00	2.85E-08	4.38E-09	0.00E+00	0.00E+00	0.00E+00	4.38E-09	2.91E-09	0.00E+00	0.00E+00	0.00E+00	2.91E-09
970	382208.81	3737866.52	2.74E-08	0.00E+00	0.00E+00	0.00E+00	2.74E-08	4.22E-09	0.00E+00	0.00E+00	0.00E+00	4.22E-09	2.80E-09	0.00E+00	0.00E+00	0.00E+00	2.80E-09
971	382228.81	3737866.52	2.64E-08	0.00E+00	0.00E+00	0.00E+00	2.64E-08	4.06E-09	0.00E+00	0.00E+00	0.00E+00	4.06E-09	2.70E-09	0.00E+00	0.00E+00	0.00E+00	2.70E-09
972	382248.81	3737866.52	2.54E-08	0.00E+00	0.00E+00	0.00E+00	2.54E-08	3.92E-09	0.00E+00	0.00E+00	0.00E+00	3.92E-09	2.60E-09	0.00E+00	0.00E+00	0.00E+00	2.60E-09
973	382268.81	3737866.52	2.45E-08	0.00E+00	0.00E+00	0.00E+00	2.45E-08	3.78E-09	0.00E+00	0.00E+00	0.00E+00	3.78E-09	2.51E-09	0.00E+00	0.00E+00	0.00E+00	2.51E-09
974	382288.81	3737866.52	2.36E-08	0.00E+00	0.00E+00	0.00E+00	2.36E-08	3.64E-09	0.00E+00	0.00E+00	0.00E+00	3.64E-09	2.42E-09	0.00E+00	0.00E+00	0.00E+00	2.42E-09
975	382308.81	3737866.52	2.28E-08	0.00E+00	0.00E+00	0.00E+00	2.28E-08	3.52E-09	0.00E+00	0.00E+00	0.00E+00	3.52E-09	2.34E-09	0.00E+00	0.00E+00	0.00E+00	2.34E-09
976	382328.81	3737866.52	2.21E-08	0.00E+00	0.00E+00	0.00E+00	2.21E-08	3.40E-09	0.00E+00	0.00E+00	0.00E+00	3.40E-09	2.26E-09	0.00E+00	0.00E+00	0.00E+00	2.26E-09
977	382348.81	3737866.52	2.13E-08	0.00E+00	0.00E+00	0.00E+00	2.13E-08	3.29E-09	0.00E+00	0.00E+00	0.00E+00	3.29E-09	2.18E-09	0.00E+00	0.00E+00	0.00E+00	2.18E-09
978	382368.81	3737866.52	2.06E-08	0.00E+00	0.00E+00	0.00E+00	2.06E-08	3.18E-09	0.00E+00	0.00E+00	0.00E+00	3.18E-09	2.11E-09	0.00E+00	0.00E+00	0.00E+00	2.11E-09
979	382388.81	3737866.52	2.00E-08	0.00E+00	0.00E+00	0.00E+00	2.00E-08	3.08E-09	0.00E+00	0.00E+00	0.00E+00	3.08E-09	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09
980	382408.81	3737866.52	1.93E-08	0.00E+00	0.00E+00	0.00E+00	1.93E-08	2.98E-09	0.00E+00	0.00E+00	0.00E+00	2.98E-09	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09
981	382428.81	3737866.52	1.87E-08	0.00E+00	0.00E+00	0.00E+00	1.87E-08	2.89E-09	0.00E+00	0.00E+00	0.00E+00	2.89E-09	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09
982	382448.81	3737866.52	1.81E-08	0.00E+00	0.00E+00	0.00E+00	1.81E-08	2.78E-09	0.00E+00	0.00E+00	0.00E+00	2.78E-09	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09
983	382468.81	3737866.52	1.74E-08	0.00E+00	0.00E+00	0.00E+00	1.74E-08	2.68E-09	0.00E+00	0.00E+00	0.00E+00	2.68E-09	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09
984	382488.81	3737866.52	1.68E-08	0.00E+00	0.00E+00	0.00E+00	1.68E-08	2.60E-09	0.00E+00	0.00E+00	0.00E+00	2.60E-09	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09
985	381608.81	3737886.82	1.04E-07	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.61E-08	0.00E+00	0.00E+00	0.00E+00	1.61E-08	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08
986	381628.81	3737886.82	1.00E-07	0.00E+00	0.00E+00	0.00E+00	1.00E-07	1.55E-08	0.00E+00	0.00E+00	0.00E+00	1.55E-08	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08
987	381648.81	3737886.82	9.65E-08	0.00E+00	0.00E+00	0.00E+00	9.65E-08	1.49E-08	0.00E+00	0.00E+00	0.00E+00	1.49E-08	9.89E-09	0.00E+00	0.00E+00	0.00E+00	9.89E-09
988	381668.81	3737886.82	9.25E-08	0.00E+00	0.00E+00	0.00E+00	9.25E-08	1.43E-08	0.00E+00	0.00E+00	0.00E+00	1.43E-08	9.48E-09	0.00E+00	0.00E+00	0.00E+00	9.48E-09
989	381688.81	3737886.82	8.85E-08	0.00E+00	0.00E+00	0.00E+00	8.85E-08	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	9.07E-09	0.00E+00	0.00E+00	0.00E+00	9.07E-09
990	381708.81	3737886.82	8.44E-08	0.00E+00	0.00E+00	0.00E+00	8.44E-08	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	8.64E-09	0.00E+00	0.00E+00	0.00E+00	8.64E-09
991	381728.81	3737886.82	8.05E-08	0.00E+00	0.00E+00	0.00E+00	8.05E-08	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	8.25E-09	0.00E+00	0.00E+00	0.00E+00	8.25E-09
992	381748.81	3737886.82	7.70E-08	0.00E+00	0.00E+00	0.00E+00	7.70E-08	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	7.89E-09	0.00E+00	0.00E+00	0.00E+00	7.89E-09
993	381768.81	3737886.82	7.37E-08	0.00E+00	0.00E+00	0.00E+00	7.37E-08	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	7.54E-09	0.00E+00	0.00E+00	0.00E+00	7.54E-09
994	381788.81	3737886.82	7.03E-08	0.00E+00	0.00E+00	0.00E+00	7.03E-08	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	7.20E-09	0.00E+00	0.00E+00	0.00E+00	7.20E-09
995	381808.81	3737886.82	6.70E-08	0.00E+00	0.00E+00	0.00E+00	6.70E-08	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	6.86E-09	0.00E+00	0.00E+00	0.00E+00	6.86E-09
996	381828.81	3737886.82	6.38E-08	0.00E+00	0.00E+00	0.00E+00	6.38E-08	9.83E-09	0.00E+00	0.00E+00	0.00E+00	9.83E-09	6.53E-09	0.00E+00	0.00E+00	0.00E+00	6.53E-09
997	381848.81	3737886.82	6.07E-08	0.00E+00	0.00E+00	0.00E+00	6.07E-08	9.36E-09	0.00E+00	0.00E+00	0.00E+00	9.36E-09	6.22E-09	0.00E+00	0.00E+00	0.00E+00	6.22E-09
998	381868.81	3737886.82	5.79E-08	0.00E+00	0.00E+00	0.00E+00	5.79E-08	8.92E-09	0.00E+00	0.00E+00	0.00E+00	8.92E-09	5.93E-09	0.00E+00	0.00E+00	0.00E+00	5.93E-09
999	381888.81	3737886.82	5.50E-08	0.00E+00	0.00E+00	0.00E+00	5.50E-08	8.48E-09	0.00E+00	0.00E+00	0.00E+00	8.48E-09	5.63E-09	0.00E+00	0.00E+00	0.00E+00	5.63E-09
1000	381908.81	3737886.82	5.22E-08	0.00E+00	0.00E+00	0.00E+00	5.22E-08	8.04E-09	0.00E+00	0.00E+00	0.00E+00	8.04E-09	5.34E-09	0.00E+00	0.00E+00	0.00E+00	5.34E-09
1001	381928.81	3737886.82	4.96E-08	0.00E+00	0.00E+00	0.00E+00	4.96E-08	7.64E-09	0.00E+00	0.00E+00	0.00E+00	7.64E-09	5.08E-09	0.00E+00	0.00E+00	0.00E+00	5.08E-09
1002	381948.81	3737886.82	4.75E-08	0.00E+00	0.00E+00	0.00E+00	4.75E-08	7.32E-09	0.00E+00	0.00E+00	0.00E+00	7.32E-09	4.86E-09	0.00E+00	0.00E+00	0.00E+00	4.86E-09
1003	381968.81	3737886.82	4.55E-08	0.00E+00	0.00E+00	0.00E+00	4.55E-08	7.01E-09	0.00E+00	0.00E+00	0.00E+00	7.01E-09	4.66E-09	0.00E+00	0.00E+00	0.00E+00	4.66E-09
1004	381988.81	3737886.82	4.35E-08	0.00E+00	0.00E+00	0.00E+00	4.35E-08	6.70E-09	0.00E+00	0.00E+00	0.00E+00	6.70E-09	4.45E-09	0.00E+00	0.00E+00	0.00E+00	4.45E-09
1005	382008.81	3737886.82	4.15E-08	0.00E+00	0.00E+00	0.00E+00	4.15E-08	6.40E-09	0.00E+00	0.00E+00	0.00E+00	6.40E-09	4.26E-09	0.00E+00	0.00E+00	0.00E+00	4.26E-09
1006	382028.81	3737886.82	3.97E-08	0.00E+00	0.00E+00	0.00E+00	3.97E-08	6.12E-09	0.00E+00	0.00E+00	0.00E+00	6.12E-09	4.07E-09	0.00E+00	0.00E+00	0.00E+00	4.07E-09
1007	382048.81	3737886.82	3.80E-08	0.00E+00	0.00E+00	0.00E+00	3.80E-08	5.86E-09	0.00E+00	0.00E+00	0.00E+00	5.86E-09	3.89E-09	0.00E+00	0.00E+00	0.00E+00	3.89E-09
1008	382068.81	3737886.82	3.64E-08	0.00E+00	0.00E+00	0.00E+00	3.64E-08	5.61E-09	0.00E+00	0.00E+00	0.00E+00	5.61E-09	3.73E-09	0.00E+00	0.00E+00	0.00E+00	3.73E-09
1009	382088.81	3737886.82	3.49E-08	0.00E+00	0.00E+00	0.00E+00	3.49E-08	5.38E-09	0.00E+00	0.00E+00	0.00E+00	5.38E-09	3.57E-09	0.00E+00	0.00E+00	0.00E+00	3.57E-09
1010	382108.81	3737886.82	3.34E-08	0.00E+00	0.00E+00	0.00E+00	3.34E-08	5.15E-09	0.00E+00	0.00E+00	0.00E+00	5.15E-09	3.43E-09	0.00E+00	0.00E+00	0.00E+00	3.43E-09
1011	382128.81	3737886.82	3.21E-08	0.00E+00	0.00E+00	0.00E+00	3.21E-08	4.95E-09	0.00E+00	0.00E+00	0.00E+00	4.95E-09	3.29E-09	0.00E+00	0.00E+00	0.00E+00	3.29E-09
1012	382148.81	3737886.82	3.08E-08	0.00E+00	0.00E+00	0.00E+00	3.08E-08	4.75E-09	0.00E+00	0.00E+00	0.00E+00	4.75E-09	3.16E-09	0.00E+00	0.00E+00	0.00E+00	3.16E-09
1013	382168.81	3737886.82	2.96E-08	0.00E+00	0.00E+00	0.00E+00	2.96E-08	4.57E-09	0.00E+00	0.00E+00	0.00E+00	4.57E-09	3.03E-09	0.00E+00	0.00E+00	0.00E+00	3.03E-09
1014	382188.81	3737886.82	2.85E-08	0.00E+00	0.00E+00	0.00E+00	2.85E-08	4.39E-09	0.00E+00	0.00E+00	0.00E+00	4.39E-09	2.92E-09	0.00E+00	0.00E+00	0.00E+00	2.92E-09
1015	382208.81	3737886.82	2.74E-08	0.00E+00	0.00E+00	0.00E+00	2.74E-08	4.23E-09	0.00E+00	0.00E+00	0.00E+00	4.23E-09	2.81E-09	0.00E+00	0.00E+00	0.00E+00	2.81E-09
1016	382228.81	3737886.82	2.64E-08	0.00E+00	0.00E+00	0.00E+00	2.64E-08	4.07E-09	0.00E+00	0.00E+00	0.00E+00	4.07E-09	2.70E-09	0.00E+00	0.00E+00	0.00E+00	2.70E-09
1017	382248.81	3737886.82	2.55E-08	0.00E+00	0.00E+00	0.00E+00	2.55E-08	3.92E-09	0.00E+00	0.00E+00	0.00E+00	3.92E-09	2.61E-09	0.00E+00	0.00E+00	0.00E+00	2.61E-09
1018	382268.81	3737886.82	2.46E-08	0.00E+00	0.00E+00	0.00E+00	2.46E-08	3.78E-09	0.00E+00	0.00E+00	0.00E+00	3.78E-09	2.51E-09	0.00E+00	0.00E+00	0.00E+00	2.51E-09
1019	382288.81	3737886.82	2.37E-08	0.00E+00	0.00E+00	0.00E+00	2.37E-08	3.65E-09	0.00E+00	0.00E+00	0.00E+00	3.65E-09	2.43E-09	0.00E+00	0.00E+00	0.00E+00	2.43E-09
1020	382308.81	3737886.82	2.29E-08	0.00E+00	0.00E+00	0.00E+00	2.29E-08	3.53E-09	0.00E+00	0.00E+00	0.00E+00	3.53E-09	2.34E-09	0.00E+00	0.00E+00	0.00E+00	2.34E-09
1021	382328.81	3737886.82	2.21E-08	0.00E+00	0.00E+00	0.00E+00	2.21E-08	3.41E-09	0.00E+00	0.00E+00	0.00E+00	3.41E-09	2.26E-09	0.00E+00	0.00E+00	0.00E+00	2.26E-09
1022	382348.81	3737886.82	2.14E-08	0.00E+00	0.00E+00	0.00E+00	2.14E-08	3.29E-09	0.00E+00	0.00E+00	0.00E+00	3.29E-09	2.19E-09	0.00E+00	0.00E+00	0.00E+00	2.19E-09
1023	382368.81	3737886.82	2.07E-08	0.00E+00	0.00E+00	0.00E+00	2.07E-08	3.19E-09	0.00E+00	0.00E+00	0.00E+00	3.19E-09	2.12E-09	0.00E+00	0.00E+00	0.00E+00	2.12E-09
1024	382388.81	3737886.82	2.00E-08	0.00E+00	0.00E+00	0.00E+00	2.00E-08	3.09E-09	0.00E+00	0.00E+00	0.00E+00	3.09E-09	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09
1025	382408.81	3737886.82	1.94E-08	0.00E+00	0.00E+00	0.00E+00	1.94E-08	2.99E-09	0.00E+00	0.00E+00	0.00E+00	2.99E-09	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09
1026	381608.81	3737907.12	1.03E-07	0.00E+00	0.00E+00	0.00E+00	1.03E-07	1.58E-08	0.00E+00	0.00E+00	0.00E+00	1.58E-08	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08
1027	381628.81	3737907.12	9.89E-08	0.00E+00	0.00E+00	0.00E+00	9.89E-08	1.52E-08	0.00E+00	0.00E+00	0.00E+00	1.52E-08	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08
1028	381648.81	3737907.12	9.51E-08	0.00E+00	0.00E+00	0.00E+00	9.51E-08	1.47E-08	0.00E+00	0.00E+00	0.00E+00	1.47E-08	9.74E-09	0.00E+00	0.00E+00	0.00E+00	9.74E-09
1029	381668.81	3737907.12	9.13E-08	0.00E+00	0.00E+00	0.00E+00	9.13E-08	1.41E-08	0.00E+00	0.00E+00	0.00E+00	1.41E-08	9.35E-09	0.00E+00	0.00E+00	0.00E+00	9.35E-09
1030	381688.81	3737907.12	8.73E-08	0.00E+00	0.00E+00	0.00E+00	8.73E-08	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	8.94E-09	0.00E+00	0.00E+00	0.00E+00	8.94E-09
1031	381708.81	3737907.12	8.31E-08	0.00E+00	0.00E+00	0.00E+00	8.31E-08	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	8.52E-09	0.00E+00	0.00E+00	0.00E+00	8.52E-09
1032	381728.81	3737907.12	7.94E-08	0.00E+00	0.00E+00	0.00E+00	7.94E-08	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	8.13E-09	0.00E+00	0.00E+00	0.00E+00	8.13E-09
1033	381748.81	3737907.12	7.60E-08	0.00E+00	0.00E+00	0.00E+00	7.60E-08	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	7.78E-09	0.00E+00	0.00E+00	0.00E+00	7.78E-09
1034	381768.81	3737907.12	7.29E-08	0.00E+00	0.00E+00	0.00E+00	7.29E-08	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	7.47E-09	0.00E+00	0.00E+00	0.00E+00	7.47E-09
1035	381788.81	3737907.12	6.97E-08	0.00E+00	0.00E+00	0.00E+00	6.97E-08	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	7.14E-09	0.00E+00	0.00E+00	0.00E+00	7.14E-09
1036	381808.81	3737907.12	6.65E-08	0.00E+00	0.00E+00	0.00E+00	6.65E-08	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	6.81E-09	0.00E+00	0.00E+00	0.00E+00	6.81E-09
1037	381828.81	3737907.12	6.34E-08	0.00E+00	0.00E+00	0.00E+00	6.34E-08	9.77E-09	0.00E+00	0.00E+00	0.00E+00	9.77E-09	6.49E-09	0.00E+00	0.00E+00	0.00E+00	6.49E-09
1038	381848.81	3737907.12	6.04E-08	0.00E+00	0.00E+00	0.00E+00	6.04E-08	9.31E-09	0.00E+00	0.00E+00	0.00E+00	9.31E-09	6.19E-09	0.00E+00	0.00E+00	0.00E+00	6.19E-09
1039	381868.81	3737907.12	5.76E-08	0.00E+00	0.00E+00	0.00E+00	5.76E-08	8.88E-09	0.00E+00	0.00E+00	0.00E+00	8.88E-09	5.90E-09	0.00E+00	0.00E+00	0.00E+00	5.90E-09
1040	381888.81	3737907.12	5.49E-08	0.00E+00	0.00E+00	0.00E+00	5.49E-08	8.46E-09	0.00E+00	0.00E+00	0.00E+00	8.46E-09	5.62E-09	0.00E+00	0.00E+00	0.00E+00	5.62E-09
1041	381908.81	3737907.12	5.23E-08	0.00E+00	0.00E+00	0.00E+00	5.23E-08	8.06E-09	0.00E+00	0.00E+00	0.00E+00	8.06E-09	5.36E-09	0.00E+00	0.00E+00	0.00E+00	5.36E-09
1042	381928.81	3737907.12	4.99E-08	0.00E+00	0.00E+00	0.00E+00	4.99E-08	7.68E-09	0.00E+00	0.00E+00	0.00E+00	7.68E-09	5.11E-09	0.00E+00	0.00E+00	0.00E+00	5.11E-09
1043	381948.81	3737907.12	4.76E-08	0.00E+00	0.00E+00	0.00E+00	4.76E-08	7.33E-09	0.00E+00	0.00E+00	0.00E+00	7.33E-09	4.87E-09	0.00E+00	0.00E+00	0.00E+00	4.87E-09
1044	381968.81	3737907.12	4.55E-08	0.00E+00	0.00E+00	0.00E+00	4.55E-08	7.01E-09	0.00E+00	0.00E+00	0.00E+00	7.01E-09	4.66E-09	0.00E+00	0.00E+00	0.00E+00	4.66E-09
1045	381988.81	3737907.12	4.34E-08	0.00E+00	0.00E+00	0.00E+00	4.34E-08	6.69E-09	0.00E+00	0.00E+00	0.00E+00	6.69E-09	4.45E-09	0.00E+00	0.00E+00	0.00E+00	4.45E-09
1046	382008.81	3737907.12	4.15E-08	0.00E+00	0.00E+00	0.00E+00	4.15E-08	6.40E-09	0.00E+00	0.00E+00	0.00E+00	6.40E-09	4.25E-09	0.00E+00	0.00E+00	0.00E+00	4.25E-09

1047	382028.81	3737907.12	3.97E-08	0.00E+00	0.00E+00	0.00E+00	3.97E-08	6.11E-09	0.00E+00	0.00E+00	0.00E+00	6.11E-09	4.06E-09	0.00E+00	0.00E+00	0.00E+00	4.06E-09
1048	382048.81	3737907.12	3.79E-08	0.00E+00	0.00E+00	0.00E+00	3.79E-08	5.84E-09	0.00E+00	0.00E+00	0.00E+00	5.84E-09	3.88E-09	0.00E+00	0.00E+00	0.00E+00	3.88E-09
1049	382068.81	3737907.12	3.64E-08	0.00E+00	0.00E+00	0.00E+00	3.64E-08	5.61E-09	0.00E+00	0.00E+00	0.00E+00	5.61E-09	3.73E-09	0.00E+00	0.00E+00	0.00E+00	3.73E-09
1050	382088.81	3737907.12	3.49E-08	0.00E+00	0.00E+00	0.00E+00	3.49E-08	5.38E-09	0.00E+00	0.00E+00	0.00E+00	5.38E-09	3.57E-09	0.00E+00	0.00E+00	0.00E+00	3.57E-09
1051	382108.81	3737907.12	3.35E-08	0.00E+00	0.00E+00	0.00E+00	3.35E-08	5.16E-09	0.00E+00	0.00E+00	0.00E+00	5.16E-09	3.43E-09	0.00E+00	0.00E+00	0.00E+00	3.43E-09
1052	382128.81	3737907.12	3.21E-08	0.00E+00	0.00E+00	0.00E+00	3.21E-08	4.95E-09	0.00E+00	0.00E+00	0.00E+00	4.95E-09	3.29E-09	0.00E+00	0.00E+00	0.00E+00	3.29E-09
1053	382148.81	3737907.12	3.09E-08	0.00E+00	0.00E+00	0.00E+00	3.09E-08	4.76E-09	0.00E+00	0.00E+00	0.00E+00	4.76E-09	3.16E-09	0.00E+00	0.00E+00	0.00E+00	3.16E-09
1054	382168.81	3737907.12	2.97E-08	0.00E+00	0.00E+00	0.00E+00	2.97E-08	4.57E-09	0.00E+00	0.00E+00	0.00E+00	4.57E-09	3.04E-09	0.00E+00	0.00E+00	0.00E+00	3.04E-09
1055	382188.81	3737907.12	2.85E-08	0.00E+00	0.00E+00	0.00E+00	2.85E-08	4.40E-09	0.00E+00	0.00E+00	0.00E+00	4.40E-09	2.92E-09	0.00E+00	0.00E+00	0.00E+00	2.92E-09
1056	382208.81	3737907.12	2.75E-08	0.00E+00	0.00E+00	0.00E+00	2.75E-08	4.23E-09	0.00E+00	0.00E+00	0.00E+00	4.23E-09	2.81E-09	0.00E+00	0.00E+00	0.00E+00	2.81E-09
1057	382228.81	3737907.12	2.65E-08	0.00E+00	0.00E+00	0.00E+00	2.65E-08	4.08E-09	0.00E+00	0.00E+00	0.00E+00	4.08E-09	2.71E-09	0.00E+00	0.00E+00	0.00E+00	2.71E-09
1058	382248.81	3737907.12	2.55E-08	0.00E+00	0.00E+00	0.00E+00	2.55E-08	3.93E-09	0.00E+00	0.00E+00	0.00E+00	3.93E-09	2.61E-09	0.00E+00	0.00E+00	0.00E+00	2.61E-09
1059	382268.81	3737907.12	2.46E-08	0.00E+00	0.00E+00	0.00E+00	2.46E-08	3.79E-09	0.00E+00	0.00E+00	0.00E+00	3.79E-09	2.52E-09	0.00E+00	0.00E+00	0.00E+00	2.52E-09
1060	382288.81	3737907.12	2.37E-08	0.00E+00	0.00E+00	0.00E+00	2.37E-08	3.66E-09	0.00E+00	0.00E+00	0.00E+00	3.66E-09	2.43E-09	0.00E+00	0.00E+00	0.00E+00	2.43E-09
1061	382308.81	3737907.12	2.29E-08	0.00E+00	0.00E+00	0.00E+00	2.29E-08	3.53E-09	0.00E+00	0.00E+00	0.00E+00	3.53E-09	2.35E-09	0.00E+00	0.00E+00	0.00E+00	2.35E-09
1062	382328.81	3737907.12	2.22E-08	0.00E+00	0.00E+00	0.00E+00	2.22E-08	3.42E-09	0.00E+00	0.00E+00	0.00E+00	3.42E-09	2.27E-09	0.00E+00	0.00E+00	0.00E+00	2.27E-09
1063	382348.81	3737907.12	2.14E-08	0.00E+00	0.00E+00	0.00E+00	2.14E-08	3.30E-09	0.00E+00	0.00E+00	0.00E+00	3.30E-09	2.19E-09	0.00E+00	0.00E+00	0.00E+00	2.19E-09
1064	381608.81	3737927.42	1.01E-07	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.55E-08	0.00E+00	0.00E+00	0.00E+00	1.55E-08	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08
1065	381628.81	3737927.42	9.71E-08	0.00E+00	0.00E+00	0.00E+00	9.71E-08	1.50E-08	0.00E+00	0.00E+00	0.00E+00	1.50E-08	9.95E-09	0.00E+00	0.00E+00	0.00E+00	9.95E-09
1066	381648.81	3737927.42	9.36E-08	0.00E+00	0.00E+00	0.00E+00	9.36E-08	1.44E-08	0.00E+00	0.00E+00	0.00E+00	1.44E-08	9.58E-09	0.00E+00	0.00E+00	0.00E+00	9.58E-09
1067	381668.81	3737927.42	8.99E-08	0.00E+00	0.00E+00	0.00E+00	8.99E-08	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	9.21E-09	0.00E+00	0.00E+00	0.00E+00	9.21E-09
1068	381688.81	3737927.42	8.63E-08	0.00E+00	0.00E+00	0.00E+00	8.63E-08	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	8.84E-09	0.00E+00	0.00E+00	0.00E+00	8.84E-09
1069	381708.81	3737927.42	8.24E-08	0.00E+00	0.00E+00	0.00E+00	8.24E-08	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	8.44E-09	0.00E+00	0.00E+00	0.00E+00	8.44E-09
1070	381728.81	3737927.42	7.86E-08	0.00E+00	0.00E+00	0.00E+00	7.86E-08	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	8.05E-09	0.00E+00	0.00E+00	0.00E+00	8.05E-09
1071	381748.81	3737927.42	7.52E-08	0.00E+00	0.00E+00	0.00E+00	7.52E-08	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	7.70E-09	0.00E+00	0.00E+00	0.00E+00	7.70E-09
1072	381768.81	3737927.42	7.22E-08	0.00E+00	0.00E+00	0.00E+00	7.22E-08	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	7.39E-09	0.00E+00	0.00E+00	0.00E+00	7.39E-09
1073	381788.81	3737927.42	6.91E-08	0.00E+00	0.00E+00	0.00E+00	6.91E-08	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	7.08E-09	0.00E+00	0.00E+00	0.00E+00	7.08E-09
1074	381808.81	3737927.42	6.60E-08	0.00E+00	0.00E+00	0.00E+00	6.60E-08	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	6.76E-09	0.00E+00	0.00E+00	0.00E+00	6.76E-09
1075	381828.81	3737927.42	6.30E-08	0.00E+00	0.00E+00	0.00E+00	6.30E-08	9.71E-09	0.00E+00	0.00E+00	0.00E+00	9.71E-09	6.45E-09	0.00E+00	0.00E+00	0.00E+00	6.45E-09
1076	381848.81	3737927.42	6.01E-08	0.00E+00	0.00E+00	0.00E+00	6.01E-08	9.26E-09	0.00E+00	0.00E+00	0.00E+00	9.26E-09	6.15E-09	0.00E+00	0.00E+00	0.00E+00	6.15E-09
1077	381868.81	3737927.42	5.73E-08	0.00E+00	0.00E+00	0.00E+00	5.73E-08	8.83E-09	0.00E+00	0.00E+00	0.00E+00	8.83E-09	5.87E-09	0.00E+00	0.00E+00	0.00E+00	5.87E-09
1078	381888.81	3737927.42	5.47E-08	0.00E+00	0.00E+00	0.00E+00	5.47E-08	8.43E-09	0.00E+00	0.00E+00	0.00E+00	8.43E-09	5.60E-09	0.00E+00	0.00E+00	0.00E+00	5.60E-09
1079	381908.81	3737927.42	5.22E-08	0.00E+00	0.00E+00	0.00E+00	5.22E-08	8.04E-09	0.00E+00	0.00E+00	0.00E+00	8.04E-09	5.34E-09	0.00E+00	0.00E+00	0.00E+00	5.34E-09
1080	381928.81	3737927.42	4.97E-08	0.00E+00	0.00E+00	0.00E+00	4.97E-08	7.67E-09	0.00E+00	0.00E+00	0.00E+00	7.67E-09	5.10E-09	0.00E+00	0.00E+00	0.00E+00	5.10E-09
1081	381948.81	3737927.42	4.75E-08	0.00E+00	0.00E+00	0.00E+00	4.75E-08	7.32E-09	0.00E+00	0.00E+00	0.00E+00	7.32E-09	4.86E-09	0.00E+00	0.00E+00	0.00E+00	4.86E-09
1082	381968.81	3737927.42	4.54E-08	0.00E+00	0.00E+00	0.00E+00	4.54E-08	6.99E-09	0.00E+00	0.00E+00	0.00E+00	6.99E-09	4.65E-09	0.00E+00	0.00E+00	0.00E+00	4.65E-09
1083	381988.81	3737927.42	4.34E-08	0.00E+00	0.00E+00	0.00E+00	4.34E-08	6.69E-09	0.00E+00	0.00E+00	0.00E+00	6.69E-09	4.44E-09	0.00E+00	0.00E+00	0.00E+00	4.44E-09
1084	382008.81	3737927.42	4.15E-08	0.00E+00	0.00E+00	0.00E+00	4.15E-08	6.39E-09	0.00E+00	0.00E+00	0.00E+00	6.39E-09	4.25E-09	0.00E+00	0.00E+00	0.00E+00	4.25E-09
1085	382028.81	3737927.42	3.96E-08	0.00E+00	0.00E+00	0.00E+00	3.96E-08	6.10E-09	0.00E+00	0.00E+00	0.00E+00	6.10E-09	4.06E-09	0.00E+00	0.00E+00	0.00E+00	4.06E-09
1086	382048.81	3737927.42	3.78E-08	0.00E+00	0.00E+00	0.00E+00	3.78E-08	5.82E-09	0.00E+00	0.00E+00	0.00E+00	5.82E-09	3.87E-09	0.00E+00	0.00E+00	0.00E+00	3.87E-09
1087	382068.81	3737927.42	3.64E-08	0.00E+00	0.00E+00	0.00E+00	3.64E-08	5.61E-09	0.00E+00	0.00E+00	0.00E+00	5.61E-09	3.73E-09	0.00E+00	0.00E+00	0.00E+00	3.73E-09
1088	382088.81	3737927.42	3.49E-08	0.00E+00	0.00E+00	0.00E+00	3.49E-08	5.38E-09	0.00E+00	0.00E+00	0.00E+00	5.38E-09	3.58E-09	0.00E+00	0.00E+00	0.00E+00	3.58E-09
1089	382108.81	3737927.42	3.35E-08	0.00E+00	0.00E+00	0.00E+00	3.35E-08	5.16E-09	0.00E+00	0.00E+00	0.00E+00	5.16E-09	3.43E-09	0.00E+00	0.00E+00	0.00E+00	3.43E-09
1090	382128.81	3737927.42	3.22E-08	0.00E+00	0.00E+00	0.00E+00	3.22E-08	4.96E-09	0.00E+00	0.00E+00	0.00E+00	4.96E-09	3.29E-09	0.00E+00	0.00E+00	0.00E+00	3.29E-09
1091	382148.81	3737927.42	3.09E-08	0.00E+00	0.00E+00	0.00E+00	3.09E-08	4.76E-09	0.00E+00	0.00E+00	0.00E+00	4.76E-09	3.16E-09	0.00E+00	0.00E+00	0.00E+00	3.16E-09
1092	382168.81	3737927.42	2.97E-08	0.00E+00	0.00E+00	0.00E+00	2.97E-08	4.58E-09	0.00E+00	0.00E+00	0.00E+00	4.58E-09	3.04E-09	0.00E+00	0.00E+00	0.00E+00	3.04E-09
1093	382188.81	3737927.42	2.86E-08	0.00E+00	0.00E+00	0.00E+00	2.86E-08	4.40E-09	0.00E+00	0.00E+00	0.00E+00	4.40E-09	2.93E-09	0.00E+00	0.00E+00	0.00E+00	2.93E-09
1094	382208.81	3737927.42	2.75E-08	0.00E+00	0.00E+00	0.00E+00	2.75E-08	4.24E-09	0.00E+00	0.00E+00	0.00E+00	4.24E-09	2.82E-09	0.00E+00	0.00E+00	0.00E+00	2.82E-09
1095	382228.81	3737927.42	2.65E-08	0.00E+00	0.00E+00	0.00E+00	2.65E-08	4.08E-09	0.00E+00	0.00E+00	0.00E+00	4.08E-09	2.71E-09	0.00E+00	0.00E+00	0.00E+00	2.71E-09
1096	382248.81	3737927.42	2.56E-08	0.00E+00	0.00E+00	0.00E+00	2.56E-08	3.94E-09	0.00E+00	0.00E+00	0.00E+00	3.94E-09	2.62E-09	0.00E+00	0.00E+00	0.00E+00	2.62E-09
1097	382268.81	3737927.42	2.47E-08	0.00E+00	0.00E+00	0.00E+00	2.47E-08	3.80E-09	0.00E+00	0.00E+00	0.00E+00	3.80E-09	2.53E-09	0.00E+00	0.00E+00	0.00E+00	2.53E-09
1098	381588.81	3737947.72	1.02E-07	0.00E+00	0.00E+00	0.00E+00	1.02E-07	1.57E-08	0.00E+00	0.00E+00	0.00E+00	1.57E-08	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08
1099	381608.81	3737947.72	9.86E-08	0.00E+00	0.00E+00	0.00E+00	9.86E-08	1.52E-08	0.00E+00	0.00E+00	0.00E+00	1.52E-08	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08
1100	381628.81	3737947.72	9.54E-08	0.00E+00	0.00E+00	0.00E+00	9.54E-08	1.47E-08	0.00E+00	0.00E+00	0.00E+00	1.47E-08	9.77E-09	0.00E+00	0.00E+00	0.00E+00	9.77E-09
1101	381648.81	3737947.72	9.20E-08	0.00E+00	0.00E+00	0.00E+00	9.20E-08	1.42E-08	0.00E+00	0.00E+00	0.00E+00	1.42E-08	9.42E-09	0.00E+00	0.00E+00	0.00E+00	9.42E-09
1102	381668.81	3737947.72	8.85E-08	0.00E+00	0.00E+00	0.00E+00	8.85E-08	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	9.07E-09	0.00E+00	0.00E+00	0.00E+00	9.07E-09
1103	381688.81	3737947.72	8.51E-08	0.00E+00	0.00E+00	0.00E+00	8.51E-08	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	8.71E-09	0.00E+00	0.00E+00	0.00E+00	8.71E-09
1104	381708.81	3737947.72	8.16E-08	0.00E+00	0.00E+00	0.00E+00	8.16E-08	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	8.36E-09	0.00E+00	0.00E+00	0.00E+00	8.36E-09
1105	381728.81	3737947.72	7.79E-08	0.00E+00	0.00E+00	0.00E+00	7.79E-08	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	7.98E-09	0.00E+00	0.00E+00	0.00E+00	7.98E-09
1106	381748.81	3737947.72	7.45E-08	0.00E+00	0.00E+00	0.00E+00	7.45E-08	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	7.63E-09	0.00E+00	0.00E+00	0.00E+00	7.63E-09
1107	381768.81	3737947.72	7.15E-08	0.00E+00	0.00E+00	0.00E+00	7.15E-08	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	7.33E-09	0.00E+00	0.00E+00	0.00E+00	7.33E-09
1108	381788.81	3737947.72	6.85E-08	0.00E+00	0.00E+00	0.00E+00	6.85E-08	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	7.02E-09	0.00E+00	0.00E+00	0.00E+00	7.02E-09
1109	381808.81	3737947.72	6.55E-08	0.00E+00	0.00E+00	0.00E+00	6.55E-08	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	6.71E-09	0.00E+00	0.00E+00	0.00E+00	6.71E-09
1110	381828.81	3737947.72	6.25E-08	0.00E+00	0.00E+00	0.00E+00	6.25E-08	9.64E-09	0.00E+00	0.00E+00	0.00E+00	9.64E-09	6.40E-09	0.00E+00	0.00E+00	0.00E+00	6.40E-09
1111	381848.81	3737947.72	5.97E-08	0.00E+00	0.00E+00	0.00E+00	5.97E-08	9.20E-09	0.00E+00	0.00E+00	0.00E+00	9.20E-09	6.12E-09	0.00E+00	0.00E+00	0.00E+00	6.12E-09
1112	381868.81	3737947.72	5.70E-08	0.00E+00	0.00E+00	0.00E+00	5.70E-08	8.79E-09	0.00E+00	0.00E+00	0.00E+00	8.79E-09	5.84E-09	0.00E+00	0.00E+00	0.00E+00	5.84E-09
1113	381888.81	3737947.72	5.44E-08	0.00E+00	0.00E+00	0.00E+00	5.44E-08	8.39E-09	0.00E+00	0.00E+00	0.00E+00	8.39E-09	5.57E-09	0.00E+00	0.00E+00	0.00E+00	5.57E-09
1114	381908.81	3737947.72	5.20E-08	0.00E+00	0.00E+00	0.00E+00	5.20E-08	8.01E-09	0.00E+00	0.00E+00	0.00E+00	8.01E-09	5.32E-09	0.00E+00	0.00E+00	0.00E+00	5.32E-09
1115	381928.81	3737947.72	4.96E-08	0.00E+00	0.00E+00	0.00E+00	4.96E-08	7.64E-09	0.00E+00	0.00E+00	0.00E+00	7.64E-09	5.08E-09	0.00E+00	0.00E+00	0.00E+00	5.08E-09
1116	381948.81	3737947.72	4.74E-08	0.00E+00	0.00E+00	0.00E+00	4.74E-08	7.30E-09	0.00E+00	0.00E+00	0.00E+00	7.30E-09	4.85E-09	0.00E+00	0.00E+00	0.00E+00	4.85E-09
1117	381968.81	3737947.72	4.53E-08	0.00E+00	0.00E+00	0.00E+00	4.53E-08	6.98E-09	0.00E+00	0.00E+00	0.00E+00	6.98E-09	4.64E-09	0.00E+00	0.00E+00	0.00E+00	4.64E-09
1118	381988.81	3737947.72	4.33E-08	0.00E+00	0.00E+00	0.00E+00	4.33E-08	6.67E-09	0.00E+00	0.00E+00	0.00E+00	6.67E-09	4.44E-09	0.00E+00	0.00E+00	0.00E+00	4.44E-09
1119	382008.81	3737947.72	4.14E-08	0.00E+00	0.00E+00	0.00E+00	4.14E-08	6.38E-09	0.00E+00	0.00E+00	0.00E+00	6.38E-09	4.24E-09	0.00E+00	0.00E+00	0.00E+00	4.24E-09
1120	382028.81	3737947.72	3.96E-08	0.00E+00	0.00E+00	0.00E+00	3.96E-08	6.10E-09	0.00E+00	0.00E+00	0.00E+00	6.10E-09	4.05E-09	0.00E+00	0.00E+00	0.00E+00	4.05E-09
1121	382048.81	3737947.72	3.77E-08	0.00E+00	0.00E+00	0.00E+00	3.77E-08	5.81E-09	0.00E+00	0.00E+00	0.00E+00	5.81E-09	3.86E-09	0.00E+00	0.00E+00	0.00E+00	3.86E-09
1122	382068.81	3737947.72	3.63E-08	0.00E+00	0.00E+00	0.00E+00	3.63E-08	5.60E-09	0.00E+00	0.00E+00	0.00E+00	5.60E-09	3.72E-09	0.00E+00	0.00E+00	0.00E+00	3.72E-09
1123	382088.81	3737947.72	3.49E-08	0.00E+00	0.00E+00	0.00E+00	3.49E-08	5.38E-09	0.00E+00	0.00E+00	0.00E+00	5.38E-09	3.57E-09	0.00E+00	0.00E+00	0.00E+00	3.57E-09
1124	382108.81	3737947.72	3.35E-08	0.00E+00	0.00E+00	0.00E+00	3.35E-08	5.16E-09	0.00E+00	0.00E+00	0.00E+00	5.16E-09	3.43E-09	0.00E+00	0.00E+00	0.00E+00	3.43E-09
1125	382128.81	3737947.72	3.22E-08	0.00E+00	0.00E+00	0.00E+00	3.22E-08	4.96E-09	0.00E+00	0.00E+00	0.00E+00	4.96E-09	3.29E-09	0.00E+00	0.00E+00	0.00E+00	3.29E-09
1126	382148.81	3737947.72	3.09E-08	0.00E+00	0.00E+00	0.00E+00	3.09E-08	4.76E-09	0.00E+00	0.00E+00	0.00E+00	4.76E-09	3.17E-09	0.00E+00	0.00E+00	0.00E+00	3.17E-09
1127	382168.81	3737947.72	2.97E-08	0.00E+00	0.00E+00	0.00E+00	2.97E-08	4.58E-09	0.00E+00	0.00E+00	0.00E+00	4.58E-09	3.05E-09	0.00E+00	0.00E+00	0.00E+00	3.05E-09
1128	382188.81	3737947.72	2.86E-08	0.00E+00	0.00E+00	0.00E+00	2.86E-08	4.41E-09	0.00E+00	0.00E+00	0.00E+00	4.41E-09	2.93E-09	0.00E+00	0.00E+00	0.00E+00	2.93E-09
1129	381328.81	3737968.02	1.17E-07	0.00E+00	0.00E+00	0.00E+00	1.17E-07	1.81E-08	0.00E+00	0.00E+00	0.00E+00	1.81E-08	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08
1130	381348.81	3737968.02	1.18E-07	0.00E+00	0.00E+00	0.00E+00	1.18E-07	1.81E-08	0.00E+00	0.00E+00	0.00E+00	1.81E-08	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08
1131	381368.81	3737968.02	1.18E-07	0.00E+00	0.00E+00	0.00E+00	1.18E-07	1.82E-08	0.00E+00	0.00E+00	0.00E+00	1.82E-08	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08
1132	381388.81	3737968.02	1.18E-07	0.00E+00	0.00E+00	0.00E+00	1.18E-07	1.81E-08	0.00E+00	0.00E+00	0.00E+00	1.81E-08	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08
1133	381408.81	3737968.02	1.17E-07	0.00E+00	0.00E+00	0.00E+00	1.17E-07	1.80E-08	0.00E+00	0.00E+00	0.00E+00	1.80E-08	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08
1134	381428.81	3737968.02	1.16E-07	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.78E-08	0.00E+00	0.00E+00	0.00E+00	1.78E-08	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08
1135	381588.81	3737968.02	9.97E-08	0.00E+00	0.00E+00	0.00E+00	9.97E-08	1.54E-08	0.00E+00	0.00E+00	0.00E+00	1.54E-08	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08
1136	381608.81	3737968.02	9.67E-08	0.00E+00	0.00E+00	0.00E+00	9.67E-08	1.49E-08	0.00E+00	0.00E+00	0.00E+00	1.49E-08	9.90E-09	0.00E+00	0.00E+00	0.00E+00	9.90E-09
1137	381628.81	3737968.02	9.36E-08	0.00E+00	0.00E+00	0.00E+00	9.36E-08	1.44E-08	0.00E+00	0.00E+00	0.00E+00	1.44E-08	9.58E-09	0.00E+00	0.00E+00	0.00E+00	9.58E-09
1138	381648.81	3737968.02	9.03E-08	0.00E+00	0.00E+00	0.00E+00	9.03E-08	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	9.25E-09	0.00E+00	0.00E+00	0.00E+00	9.25E-09
1139	381668.81	3737968.02	8.71E-08	0.00E+00	0.00E+00	0.00E+00	8.71E-08	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	8.92E-09	0.00E+00	0.00E+00	0.00E+00	8.92E-09
1140	381688.81	3737968.02	8.38E-08	0.00E+00	0.00E+00	0.00E+00	8.38E-08	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	8.59E-09	0.00E+00	0.00E+00	0.00E+00	8.59E-09
1141	381708.81	3737968.02	8.05E-08	0.00E+00	0.00E+00	0.00E+00	8.05E-08	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	8.25E-09	0.00E+00	0.00E+00	0.00E+00	8.25E-09
1142	381728.81	3737968.02	7.72E-08	0.00E+00	0.00E+00	0.00E+00	7.72E-08	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	7.91E-09	0.00E+00	0.00E+00	0.00E+00	7.91E-09
1143	381748.81	3737968.02	7.40E-08	0.00E+00	0.00E+00	0.00E+00	7.40E-08	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	7.58E-09	0.00E+00	0.00E+00	0.00E+00	7.58E-09
1144	381768.81	3737968.02	7.09E-08	0.00E+00	0.00E+00	0.00E+00	7.09E-08	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	7.26E-09	0.00E+00	0.00E+00	0.00E+00	7.26E-09
1145	381788.81	3737968.02	6.79E-08	0.00E+00	0.00E+00	0.00E+00	6.79E-08	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	6.95E-09	0.00E+00	0.00E+00	0.00E+00	6.95E-09
1146	381808.81	3737968.02	6.49E-08	0.00E+00	0.00E+00	0.00E+00	6.49E-08	1.00E-08	0.00E+00	0.00E+00	0.00E+00	1.00E-08	6.65E-09	0.00E+00	0.00E+00	0.00E+00	6.65E-09
1147	381828.81	3737968.02	6.21E-08	0.00E+00	0.00E+00	0.00E+00	6.21E-08	9.57E-09	0.00E+00	0.00E+00	0.00E+00	9.57E-09	6.36E-09	0.00E+00	0.00E+00	0.00E+00	6.36E-09
1148	381848.81	3737968.02	5.93E-08	0.00E+00	0.00E+00	0.00E+00	5.93E-08	9.14E-09	0.00E+00	0.00E+00	0.00E+00	9.14E-09	6.08E-09	0.00E+00	0.00E+00	0.00E+00	6.08E-09
1149	381868.81	3737968.02	5.67E-08	0.00E+00	0.00E+00	0.00E+00	5.67E-08	8.74E-09	0.00E+00	0.00E+00	0.00E+00	8.74E-09	5.81E-09	0.00E+00	0.00E+00	0.00E+00	5.81E-09
1150	381888.81	3737968.02	5.41E-08	0.00E+00	0.00E+00	0.00E+00	5.41E-08	8.35E-09	0.00E+00	0.00E+00	0.00E+00	8.35E-09	5.55E-09	0.00E+00	0.00E+00	0.00E+00	5.55E-09
1151	381908.81	3737968.02	5.17E-08	0.00E+00	0.00E+00	0.00E+00	5.17E-08	7.97E-09	0.00E+00	0.00E+00	0.00E+00	7.97E-09	5.30E-09	0.00E+00	0.00E+00	0.00E+00	5.30E-09

1152	381928.81	3737968.02	4.94E-08	0.00E+00	0.00E+00	0.00E+00	4.94E-08	7.62E-09	0.00E+00	0.00E+00	0.00E+00	7.62E-09	5.06E-09	0.00E+00	0.00E+00	0.00E+00	5.06E-09
1153	381948.81	3737968.02	4.72E-08	0.00E+00	0.00E+00	0.00E+00	4.72E-08	7.28E-09	0.00E+00	0.00E+00	0.00E+00	7.28E-09	4.84E-09	0.00E+00	0.00E+00	0.00E+00	4.84E-09
1154	381968.81	3737968.02	4.52E-08	0.00E+00	0.00E+00	0.00E+00	4.52E-08	6.96E-09	0.00E+00	0.00E+00	0.00E+00	6.96E-09	4.63E-09	0.00E+00	0.00E+00	0.00E+00	4.63E-09
1155	381988.81	3737968.02	4.32E-08	0.00E+00	0.00E+00	0.00E+00	4.32E-08	6.66E-09	0.00E+00	0.00E+00	0.00E+00	6.66E-09	4.43E-09	0.00E+00	0.00E+00	0.00E+00	4.43E-09
1156	382008.81	3737968.02	4.14E-08	0.00E+00	0.00E+00	0.00E+00	4.14E-08	6.37E-09	0.00E+00	0.00E+00	0.00E+00	6.37E-09	4.24E-09	0.00E+00	0.00E+00	0.00E+00	4.24E-09
1157	382028.81	3737968.02	3.96E-08	0.00E+00	0.00E+00	0.00E+00	3.96E-08	6.10E-09	0.00E+00	0.00E+00	0.00E+00	6.10E-09	4.05E-09	0.00E+00	0.00E+00	0.00E+00	4.05E-09
1158	382048.81	3737968.02	3.77E-08	0.00E+00	0.00E+00	0.00E+00	3.77E-08	5.81E-09	0.00E+00	0.00E+00	0.00E+00	5.81E-09	3.86E-09	0.00E+00	0.00E+00	0.00E+00	3.86E-09
1159	382068.81	3737968.02	3.61E-08	0.00E+00	0.00E+00	0.00E+00	3.61E-08	5.57E-09	0.00E+00	0.00E+00	0.00E+00	5.57E-09	3.70E-09	0.00E+00	0.00E+00	0.00E+00	3.70E-09
1160	382088.81	3737968.02	3.47E-08	0.00E+00	0.00E+00	0.00E+00	3.47E-08	5.35E-09	0.00E+00	0.00E+00	0.00E+00	5.35E-09	3.56E-09	0.00E+00	0.00E+00	0.00E+00	3.56E-09
1161	382108.81	3737968.02	3.35E-08	0.00E+00	0.00E+00	0.00E+00	3.35E-08	5.16E-09	0.00E+00	0.00E+00	0.00E+00	5.16E-09	3.43E-09	0.00E+00	0.00E+00	0.00E+00	3.43E-09
1162	382128.81	3737968.02	3.22E-08	0.00E+00	0.00E+00	0.00E+00	3.22E-08	4.96E-09	0.00E+00	0.00E+00	0.00E+00	4.96E-09	3.30E-09	0.00E+00	0.00E+00	0.00E+00	3.30E-09
1163	381328.81	3737988.32	1.14E-07	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.76E-08	0.00E+00	0.00E+00	0.00E+00	1.76E-08	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08
1164	381348.81	3737988.32	1.14E-07	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.76E-08	0.00E+00	0.00E+00	0.00E+00	1.76E-08	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08
1165	381368.81	3737988.32	1.14E-07	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.76E-08	0.00E+00	0.00E+00	0.00E+00	1.76E-08	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08
1166	381388.81	3737988.32	1.14E-07	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.76E-08	0.00E+00	0.00E+00	0.00E+00	1.76E-08	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08
1167	381408.81	3737988.32	1.13E-07	0.00E+00	0.00E+00	0.00E+00	1.13E-07	1.75E-08	0.00E+00	0.00E+00	0.00E+00	1.75E-08	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08
1168	381428.81	3737988.32	1.13E-07	0.00E+00	0.00E+00	0.00E+00	1.13E-07	1.74E-08	0.00E+00	0.00E+00	0.00E+00	1.74E-08	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08
1169	381588.81	3737988.32	9.75E-08	0.00E+00	0.00E+00	0.00E+00	9.75E-08	1.50E-08	0.00E+00	0.00E+00	0.00E+00	1.50E-08	9.98E-09	0.00E+00	0.00E+00	0.00E+00	9.98E-09
1170	381608.81	3737988.32	9.45E-08	0.00E+00	0.00E+00	0.00E+00	9.45E-08	1.46E-08	0.00E+00	0.00E+00	0.00E+00	1.46E-08	9.68E-09	0.00E+00	0.00E+00	0.00E+00	9.68E-09
1171	381628.81	3737988.32	9.15E-08	0.00E+00	0.00E+00	0.00E+00	9.15E-08	1.41E-08	0.00E+00	0.00E+00	0.00E+00	1.41E-08	9.37E-09	0.00E+00	0.00E+00	0.00E+00	9.37E-09
1172	381648.81	3737988.32	8.84E-08	0.00E+00	0.00E+00	0.00E+00	8.84E-08	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	9.06E-09	0.00E+00	0.00E+00	0.00E+00	9.06E-09
1173	381668.81	3737988.32	8.53E-08	0.00E+00	0.00E+00	0.00E+00	8.53E-08	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	8.74E-09	0.00E+00	0.00E+00	0.00E+00	8.74E-09
1174	381688.81	3737988.32	8.22E-08	0.00E+00	0.00E+00	0.00E+00	8.22E-08	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	8.42E-09	0.00E+00	0.00E+00	0.00E+00	8.42E-09
1175	381708.81	3737988.32	7.91E-08	0.00E+00	0.00E+00	0.00E+00	7.91E-08	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	8.10E-09	0.00E+00	0.00E+00	0.00E+00	8.10E-09
1176	381728.81	3737988.32	7.60E-08	0.00E+00	0.00E+00	0.00E+00	7.60E-08	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	7.79E-09	0.00E+00	0.00E+00	0.00E+00	7.79E-09
1177	381748.81	3737988.32	7.32E-08	0.00E+00	0.00E+00	0.00E+00	7.32E-08	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	7.50E-09	0.00E+00	0.00E+00	0.00E+00	7.50E-09
1178	381768.81	3737988.32	7.02E-08	0.00E+00	0.00E+00	0.00E+00	7.02E-08	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	7.19E-09	0.00E+00	0.00E+00	0.00E+00	7.19E-09
1179	381788.81	3737988.32	6.72E-08	0.00E+00	0.00E+00	0.00E+00	6.72E-08	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	6.88E-09	0.00E+00	0.00E+00	0.00E+00	6.88E-09
1180	381808.81	3737988.32	6.44E-08	0.00E+00	0.00E+00	0.00E+00	6.44E-08	9.92E-09	0.00E+00	0.00E+00	0.00E+00	9.92E-09	6.59E-09	0.00E+00	0.00E+00	0.00E+00	6.59E-09
1181	381828.81	3737988.32	6.16E-08	0.00E+00	0.00E+00	0.00E+00	6.16E-08	9.49E-09	0.00E+00	0.00E+00	0.00E+00	9.49E-09	6.31E-09	0.00E+00	0.00E+00	0.00E+00	6.31E-09
1182	381848.81	3737988.32	5.89E-08	0.00E+00	0.00E+00	0.00E+00	5.89E-08	9.08E-09	0.00E+00	0.00E+00	0.00E+00	9.08E-09	6.03E-09	0.00E+00	0.00E+00	0.00E+00	6.03E-09
1183	381868.81	3737988.32	5.63E-08	0.00E+00	0.00E+00	0.00E+00	5.63E-08	8.68E-09	0.00E+00	0.00E+00	0.00E+00	8.68E-09	5.77E-09	0.00E+00	0.00E+00	0.00E+00	5.77E-09
1184	381888.81	3737988.32	5.39E-08	0.00E+00	0.00E+00	0.00E+00	5.39E-08	8.30E-09	0.00E+00	0.00E+00	0.00E+00	8.30E-09	5.52E-09	0.00E+00	0.00E+00	0.00E+00	5.52E-09
1185	381908.81	3737988.32	5.15E-08	0.00E+00	0.00E+00	0.00E+00	5.15E-08	7.94E-09	0.00E+00	0.00E+00	0.00E+00	7.94E-09	5.28E-09	0.00E+00	0.00E+00	0.00E+00	5.28E-09
1186	381928.81	3737988.32	4.92E-08	0.00E+00	0.00E+00	0.00E+00	4.92E-08	7.59E-09	0.00E+00	0.00E+00	0.00E+00	7.59E-09	5.04E-09	0.00E+00	0.00E+00	0.00E+00	5.04E-09
1187	381948.81	3737988.32	4.71E-08	0.00E+00	0.00E+00	0.00E+00	4.71E-08	7.26E-09	0.00E+00	0.00E+00	0.00E+00	7.26E-09	4.82E-09	0.00E+00	0.00E+00	0.00E+00	4.82E-09
1188	381968.81	3737988.32	4.51E-08	0.00E+00	0.00E+00	0.00E+00	4.51E-08	6.94E-09	0.00E+00	0.00E+00	0.00E+00	6.94E-09	4.61E-09	0.00E+00	0.00E+00	0.00E+00	4.61E-09
1189	381988.81	3737988.32	4.31E-08	0.00E+00	0.00E+00	0.00E+00	4.31E-08	6.65E-09	0.00E+00	0.00E+00	0.00E+00	6.65E-09	4.42E-09	0.00E+00	0.00E+00	0.00E+00	4.42E-09
1190	382008.81	3737988.32	4.13E-08	0.00E+00	0.00E+00	0.00E+00	4.13E-08	6.36E-09	0.00E+00	0.00E+00	0.00E+00	6.36E-09	4.23E-09	0.00E+00	0.00E+00	0.00E+00	4.23E-09
1191	382028.81	3737988.32	3.95E-08	0.00E+00	0.00E+00	0.00E+00	3.95E-08	6.09E-09	0.00E+00	0.00E+00	0.00E+00	6.09E-09	4.05E-09	0.00E+00	0.00E+00	0.00E+00	4.05E-09
1192	382048.81	3737988.32	3.78E-08	0.00E+00	0.00E+00	0.00E+00	3.78E-08	5.83E-09	0.00E+00	0.00E+00	0.00E+00	5.83E-09	3.87E-09	0.00E+00	0.00E+00	0.00E+00	3.87E-09
1193	381328.81	3738008.62	1.11E-07	0.00E+00	0.00E+00	0.00E+00	1.11E-07	1.71E-08	0.00E+00	0.00E+00	0.00E+00	1.71E-08	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08
1194	381348.81	3738008.62	1.11E-07	0.00E+00	0.00E+00	0.00E+00	1.11E-07	1.71E-08	0.00E+00	0.00E+00	0.00E+00	1.71E-08	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08
1195	381368.81	3738008.62	1.11E-07	0.00E+00	0.00E+00	0.00E+00	1.11E-07	1.71E-08	0.00E+00	0.00E+00	0.00E+00	1.71E-08	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08
1196	381388.81	3738008.62	1.11E-07	0.00E+00	0.00E+00	0.00E+00	1.11E-07	1.71E-08	0.00E+00	0.00E+00	0.00E+00	1.71E-08	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08
1197	381408.81	3738008.62	1.10E-07	0.00E+00	0.00E+00	0.00E+00	1.10E-07	1.70E-08	0.00E+00	0.00E+00	0.00E+00	1.70E-08	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08
1198	381428.81	3738008.62	1.10E-07	0.00E+00	0.00E+00	0.00E+00	1.10E-07	1.69E-08	0.00E+00	0.00E+00	0.00E+00	1.69E-08	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08
1199	381568.81	3738008.62	9.82E-08	0.00E+00	0.00E+00	0.00E+00	9.82E-08	1.51E-08	0.00E+00	0.00E+00	0.00E+00	1.51E-08	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08
1200	381588.81	3738008.62	9.53E-08	0.00E+00	0.00E+00	0.00E+00	9.53E-08	1.47E-08	0.00E+00	0.00E+00	0.00E+00	1.47E-08	9.76E-09	0.00E+00	0.00E+00	0.00E+00	9.76E-09
1201	381608.81	3738008.62	9.22E-08	0.00E+00	0.00E+00	0.00E+00	9.22E-08	1.42E-08	0.00E+00	0.00E+00	0.00E+00	1.42E-08	9.45E-09	0.00E+00	0.00E+00	0.00E+00	9.45E-09
1202	381628.81	3738008.62	8.92E-08	0.00E+00	0.00E+00	0.00E+00	8.92E-08	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	9.14E-09	0.00E+00	0.00E+00	0.00E+00	9.14E-09
1203	381648.81	3738008.62	8.64E-08	0.00E+00	0.00E+00	0.00E+00	8.64E-08	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	8.85E-09	0.00E+00	0.00E+00	0.00E+00	8.85E-09
1204	381668.81	3738008.62	8.35E-08	0.00E+00	0.00E+00	0.00E+00	8.35E-08	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	8.55E-09	0.00E+00	0.00E+00	0.00E+00	8.55E-09
1205	381688.81	3738008.62	8.04E-08	0.00E+00	0.00E+00	0.00E+00	8.04E-08	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	8.23E-09	0.00E+00	0.00E+00	0.00E+00	8.23E-09
1206	381708.81	3738008.62	7.75E-08	0.00E+00	0.00E+00	0.00E+00	7.75E-08	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	7.94E-09	0.00E+00	0.00E+00	0.00E+00	7.94E-09
1207	381728.81	3738008.62	7.48E-08	0.00E+00	0.00E+00	0.00E+00	7.48E-08	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	7.66E-09	0.00E+00	0.00E+00	0.00E+00	7.66E-09
1208	381748.81	3738008.62	7.23E-08	0.00E+00	0.00E+00	0.00E+00	7.23E-08	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	7.40E-09	0.00E+00	0.00E+00	0.00E+00	7.40E-09
1209	381768.81	3738008.62	6.94E-08	0.00E+00	0.00E+00	0.00E+00	6.94E-08	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	7.11E-09	0.00E+00	0.00E+00	0.00E+00	7.11E-09
1210	381788.81	3738008.62	6.66E-08	0.00E+00	0.00E+00	0.00E+00	6.66E-08	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	6.82E-09	0.00E+00	0.00E+00	0.00E+00	6.82E-09
1211	381808.81	3738008.62	6.38E-08	0.00E+00	0.00E+00	0.00E+00	6.38E-08	9.83E-09	0.00E+00	0.00E+00	0.00E+00	9.83E-09	6.53E-09	0.00E+00	0.00E+00	0.00E+00	6.53E-09
1212	381828.81	3738008.62	6.11E-08	0.00E+00	0.00E+00	0.00E+00	6.11E-08	9.41E-09	0.00E+00	0.00E+00	0.00E+00	9.41E-09	6.26E-09	0.00E+00	0.00E+00	0.00E+00	6.26E-09
1213	381848.81	3738008.62	5.85E-08	0.00E+00	0.00E+00	0.00E+00	5.85E-08	9.01E-09	0.00E+00	0.00E+00	0.00E+00	9.01E-09	5.99E-09	0.00E+00	0.00E+00	0.00E+00	5.99E-09
1214	381868.81	3738008.62	5.60E-08	0.00E+00	0.00E+00	0.00E+00	5.60E-08	8.63E-09	0.00E+00	0.00E+00	0.00E+00	8.63E-09	5.73E-09	0.00E+00	0.00E+00	0.00E+00	5.73E-09
1215	381888.81	3738008.62	5.36E-08	0.00E+00	0.00E+00	0.00E+00	5.36E-08	8.26E-09	0.00E+00	0.00E+00	0.00E+00	8.26E-09	5.49E-09	0.00E+00	0.00E+00	0.00E+00	5.49E-09
1216	381908.81	3738008.62	5.13E-08	0.00E+00	0.00E+00	0.00E+00	5.13E-08	7.90E-09	0.00E+00	0.00E+00	0.00E+00	7.90E-09	5.25E-09	0.00E+00	0.00E+00	0.00E+00	5.25E-09
1217	381928.81	3738008.62	4.90E-08	0.00E+00	0.00E+00	0.00E+00	4.90E-08	7.56E-09	0.00E+00	0.00E+00	0.00E+00	7.56E-09	5.02E-09	0.00E+00	0.00E+00	0.00E+00	5.02E-09
1218	381948.81	3738008.62	4.69E-08	0.00E+00	0.00E+00	0.00E+00	4.69E-08	7.23E-09	0.00E+00	0.00E+00	0.00E+00	7.23E-09	4.81E-09	0.00E+00	0.00E+00	0.00E+00	4.81E-09
1219	381968.81	3738008.62	4.49E-08	0.00E+00	0.00E+00	0.00E+00	4.49E-08	6.93E-09	0.00E+00	0.00E+00	0.00E+00	6.93E-09	4.60E-09	0.00E+00	0.00E+00	0.00E+00	4.60E-09
1220	381328.81	3738028.92	1.08E-07	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.66E-08	0.00E+00	0.00E+00	0.00E+00	1.66E-08	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08
1221	381348.81	3738028.92	1.08E-07	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.67E-08	0.00E+00	0.00E+00	0.00E+00	1.67E-08	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08
1222	381368.81	3738028.92	1.08E-07	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.67E-08	0.00E+00	0.00E+00	0.00E+00	1.67E-08	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08
1223	381388.81	3738028.92	1.08E-07	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.67E-08	0.00E+00	0.00E+00	0.00E+00	1.67E-08	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08
1224	381408.81	3738028.92	1.07E-07	0.00E+00	0.00E+00	0.00E+00	1.07E-07	1.65E-08	0.00E+00	0.00E+00	0.00E+00	1.65E-08	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08
1225	381428.81	3738028.92	1.07E-07	0.00E+00	0.00E+00	0.00E+00	1.07E-07	1.65E-08	0.00E+00	0.00E+00	0.00E+00	1.65E-08	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08
1226	381568.81	3738028.92	9.61E-08	0.00E+00	0.00E+00	0.00E+00	9.61E-08	1.48E-08	0.00E+00	0.00E+00	0.00E+00	1.48E-08	9.84E-09	0.00E+00	0.00E+00	0.00E+00	9.84E-09
1227	381588.81	3738028.92	9.34E-08	0.00E+00	0.00E+00	0.00E+00	9.34E-08	1.44E-08	0.00E+00	0.00E+00	0.00E+00	1.44E-08	9.57E-09	0.00E+00	0.00E+00	0.00E+00	9.57E-09
1228	381608.81	3738028.92	9.04E-08	0.00E+00	0.00E+00	0.00E+00	9.04E-08	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	9.26E-09	0.00E+00	0.00E+00	0.00E+00	9.26E-09
1229	381628.81	3738028.92	8.74E-08	0.00E+00	0.00E+00	0.00E+00	8.74E-08	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	8.96E-09	0.00E+00	0.00E+00	0.00E+00	8.96E-09
1230	381648.81	3738028.92	8.47E-08	0.00E+00	0.00E+00	0.00E+00	8.47E-08	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	8.68E-09	0.00E+00	0.00E+00	0.00E+00	8.68E-09
1231	381668.81	3738028.92	8.18E-08	0.00E+00	0.00E+00	0.00E+00	8.18E-08	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	8.38E-09	0.00E+00	0.00E+00	0.00E+00	8.38E-09
1232	381688.81	3738028.92	7.88E-08	0.00E+00	0.00E+00	0.00E+00	7.88E-08	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	8.08E-09	0.00E+00	0.00E+00	0.00E+00	8.08E-09
1233	381708.81	3738028.92	7.62E-08	0.00E+00	0.00E+00	0.00E+00	7.62E-08	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	7.80E-09	0.00E+00	0.00E+00	0.00E+00	7.80E-09
1234	381728.81	3738028.92	7.36E-08	0.00E+00	0.00E+00	0.00E+00	7.36E-08	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	7.54E-09	0.00E+00	0.00E+00	0.00E+00	7.54E-09
1235	381748.81	3738028.92	7.12E-08	0.00E+00	0.00E+00	0.00E+00	7.12E-08	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	7.30E-09	0.00E+00	0.00E+00	0.00E+00	7.30E-09
1236	381768.81	3738028.92	6.86E-08	0.00E+00	0.00E+00	0.00E+00	6.86E-08	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	7.03E-09	0.00E+00	0.00E+00	0.00E+00	7.03E-09
1237	381788.81	3738028.92	6.59E-08	0.00E+00	0.00E+00	0.00E+00	6.59E-08	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	6.75E-09	0.00E+00	0.00E+00	0.00E+00	6.75E-09
1238	381808.81	3738028.92	6.32E-08	0.00E+00	0.00E+00	0.00E+00	6.32E-08	9.74E-09	0.00E+00	0.00E+00	0.00E+00	9.74E-09	6.47E-09	0.00E+00	0.00E+00	0.00E+00	6.47E-09
1239	381828.81	3738028.92	6.06E-08	0.00E+00	0.00E+00	0.00E+00	6.06E-08	9.34E-09	0.00E+00	0.00E+00	0.00E+00	9.34E-09	6.21E-09	0.00E+00	0.00E+00	0.00E+00	6.21E-09
1240	381848.81	3738028.92	5.81E-08	0.00E+00	0.00E+00	0.00E+00	5.81E-08	8.95E-09	0.00E+00	0.00E+00	0.00E+00	8.95E-09	5.95E-09	0.00E+00	0.00E+00	0.00E+00	5.95E-09
1241	381868.81	3738028.92	5.56E-08	0.00E+00	0.00E+00	0.00E+00	5.56E-08	8.57E-09	0.00E+00	0.00E+00	0.00E+00	8.57E-09	5.70E-09	0.00E+00	0.00E+00	0.00E+00	5.70E-09
1242	381888.81	3738028.92	5.33E-08	0.00E+00	0.00E+00	0.00E+00	5.33E-08	8.21E-09	0.00E+00	0.00E+00	0.00E+00	8.21E-09	5.46E-09	0.00E+00	0.00E+00	0.00E+00	5.46E-09
1243	381908.81	3738028.92	5.10E-08	0.00E+00	0.00E+00	0.00E+00	5.10E-08	7.86E-09	0.00E+00	0.00E+00	0.00E+00	7.86E-09	5.22E-09	0.00E+00	0.00E+00	0.00E+00	5.22E-09
1244	381328.81	3738049.22	1.05E-07	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.61E-08	0.00E+00	0.00E+00	0.00E+00	1.61E-08	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08
1245	381348.81	3738049.22	1.05E-07	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.62E-08	0.00E+00	0.00E+00	0.00E+00	1.62E-08	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08
1246	381368.81	3738049.22	1.05E-07	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.62E-08	0.00E+00	0.00E+00	0.00E+00	1.62E-08	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08
1247	381388.81	3738049.22	1.05E-07	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.62E-08	0.00E+00	0.00E+00	0.00E+00	1.62E-08	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08
1248	381408.81	3738049.22	1.05E-07	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.61E-08	0.00E+00	0.00E+00	0.00E+00	1.61E-08	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08
1249	381428.81	3738049.22	1.04E-07	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.61E-08	0.00E+00	0.00E+00	0.00E+00	1.61E-08	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08
1250	381548.81	3738049.22	9.63E-08	0.00E+00	0.00E+00	0.00E+00	9.63E-08	1.48E-08	0.00E+00	0.00E+00	0.00E+00	1.48E-08	9.86E-09	0.00E+00	0.00E+00	0.00E+00	9.86E-09
1251	381568.81	3738049.22	9.41E-08	0.00E+00	0.00E+00	0.00E+00	9.41E-08	1.45E-08	0.00E+00	0.00E+00	0.00E+00	1.45E-08	9.64E-09	0.00E+00	0.00E+00	0.00E+00	9.64E-09
1252	381588.81	3738049.22	9.16E-08	0.00E+00	0.00E+00	0.00E+00	9.16E-08	1.41E-08	0.00E+00	0.00E+00	0.00E+00	1.41E-08	9.38E-09	0.00E+00	0.00E+00	0.00E+00	9.38E-09
1253	381608.81	3738049.22	8.88E-08	0.00E+00	0.00E+00	0.00E+00	8.88E-08	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	9.10E-09	0.00E+00	0.00E+00	0.00E+00	9.10E-09
1254	381628.81	3738049.22	8.62E-08	0.00E+00	0.00E+00	0.00E+00	8.62E-08	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	8.83E-09	0.00E+00	0.00E+00	0.00E+00	8.83E-09
1255	381648.81	3738049.22	8.36E-08	0.00E+00	0.00E+00	0.00E+00	8.36E-08	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	8.56E-09	0.00E+00	0.00E+00	0.00E+00	8.56E-09
1256	381668.81	3738049.22	8.08E-08	0.00E+00	0.00E+00	0.00E+00	8.08E-08	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	8.28E-09	0.00E+00	0.00E+00	0.00E+00	8.28E-09

1257	381688.81	3738049.22	7.79E-08	0.00E+00	0.00E+00	0.00E+00	7.79E-08	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	7.97E-09	0.00E+00	0.00E+00	0.00E+00	7.97E-09
1258	381708.81	3738049.22	7.50E-08	0.00E+00	0.00E+00	0.00E+00	7.50E-08	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	7.69E-09	0.00E+00	0.00E+00	0.00E+00	7.69E-09
1259	381728.81	3738049.22	7.23E-08	0.00E+00	0.00E+00	0.00E+00	7.23E-08	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	7.41E-09	0.00E+00	0.00E+00	0.00E+00	7.41E-09
1260	381748.81	3738049.22	6.97E-08	0.00E+00	0.00E+00	0.00E+00	6.97E-08	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	7.14E-09	0.00E+00	0.00E+00	0.00E+00	7.14E-09
1261	381768.81	3738049.22	6.71E-08	0.00E+00	0.00E+00	0.00E+00	6.71E-08	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	6.88E-09	0.00E+00	0.00E+00	0.00E+00	6.88E-09
1262	381788.81	3738049.22	6.47E-08	0.00E+00	0.00E+00	0.00E+00	6.47E-08	9.97E-09	0.00E+00	0.00E+00	0.00E+00	9.97E-09	6.63E-09	0.00E+00	0.00E+00	0.00E+00	6.63E-09
1263	381808.81	3738049.22	6.25E-08	0.00E+00	0.00E+00	0.00E+00	6.25E-08	9.63E-09	0.00E+00	0.00E+00	0.00E+00	9.63E-09	6.40E-09	0.00E+00	0.00E+00	0.00E+00	6.40E-09
1264	381828.81	3738049.22	6.01E-08	0.00E+00	0.00E+00	0.00E+00	6.01E-08	9.27E-09	0.00E+00	0.00E+00	0.00E+00	9.27E-09	6.16E-09	0.00E+00	0.00E+00	0.00E+00	6.16E-09
1265	381328.81	3738069.52	1.02E-07	0.00E+00	0.00E+00	0.00E+00	1.02E-07	1.57E-08	0.00E+00	0.00E+00	0.00E+00	1.57E-08	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08
1266	381348.81	3738069.52	1.02E-07	0.00E+00	0.00E+00	0.00E+00	1.02E-07	1.58E-08	0.00E+00	0.00E+00	0.00E+00	1.58E-08	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08
1267	381368.81	3738069.52	1.03E-07	0.00E+00	0.00E+00	0.00E+00	1.03E-07	1.58E-08	0.00E+00	0.00E+00	0.00E+00	1.58E-08	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08
1268	381388.81	3738069.52	1.03E-07	0.00E+00	0.00E+00	0.00E+00	1.03E-07	1.58E-08	0.00E+00	0.00E+00	0.00E+00	1.58E-08	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08
1269	381408.81	3738069.52	1.02E-07	0.00E+00	0.00E+00	0.00E+00	1.02E-07	1.57E-08	0.00E+00	0.00E+00	0.00E+00	1.57E-08	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08
1270	381428.81	3738069.52	1.01E-07	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.56E-08	0.00E+00	0.00E+00	0.00E+00	1.56E-08	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08
1271	381548.81	3738069.52	9.42E-08	0.00E+00	0.00E+00	0.00E+00	9.42E-08	1.45E-08	0.00E+00	0.00E+00	0.00E+00	1.45E-08	9.65E-09	0.00E+00	0.00E+00	0.00E+00	9.65E-09
1272	381568.81	3738069.52	9.22E-08	0.00E+00	0.00E+00	0.00E+00	9.22E-08	1.42E-08	0.00E+00	0.00E+00	0.00E+00	1.42E-08	9.44E-09	0.00E+00	0.00E+00	0.00E+00	9.44E-09
1273	381588.81	3738069.52	8.95E-08	0.00E+00	0.00E+00	0.00E+00	8.95E-08	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	9.17E-09	0.00E+00	0.00E+00	0.00E+00	9.17E-09
1274	381608.81	3738069.52	8.70E-08	0.00E+00	0.00E+00	0.00E+00	8.70E-08	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	8.91E-09	0.00E+00	0.00E+00	0.00E+00	8.91E-09
1275	381628.81	3738069.52	8.47E-08	0.00E+00	0.00E+00	0.00E+00	8.47E-08	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	8.67E-09	0.00E+00	0.00E+00	0.00E+00	8.67E-09
1276	381648.81	3738069.52	8.23E-08	0.00E+00	0.00E+00	0.00E+00	8.23E-08	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	8.43E-09	0.00E+00	0.00E+00	0.00E+00	8.43E-09
1277	381668.81	3738069.52	7.97E-08	0.00E+00	0.00E+00	0.00E+00	7.97E-08	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	8.16E-09	0.00E+00	0.00E+00	0.00E+00	8.16E-09
1278	381688.81	3738069.52	7.68E-08	0.00E+00	0.00E+00	0.00E+00	7.68E-08	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	7.87E-09	0.00E+00	0.00E+00	0.00E+00	7.87E-09
1279	381708.81	3738069.52	7.40E-08	0.00E+00	0.00E+00	0.00E+00	7.40E-08	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	7.58E-09	0.00E+00	0.00E+00	0.00E+00	7.58E-09
1280	381728.81	3738069.52	7.12E-08	0.00E+00	0.00E+00	0.00E+00	7.12E-08	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	7.29E-09	0.00E+00	0.00E+00	0.00E+00	7.29E-09
1281	381748.81	3738069.52	6.84E-08	0.00E+00	0.00E+00	0.00E+00	6.84E-08	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	7.01E-09	0.00E+00	0.00E+00	0.00E+00	7.01E-09
1282	380570.49	3735126.36	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
1283	380580.49	3735126.36	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
1284	380590.49	3735126.36	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
1285	380600.49	3735126.36	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
1286	380610.49	3735126.36	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
1287	380620.49	3735126.36	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
1288	380630.49	3735126.36	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
1289	380640.49	3735126.36	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
1290	380650.49	3735126.36	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
1291	380560.49	3735136.36	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
1292	380570.49	3735136.36	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
1293	380580.49	3735136.36	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
1294	380590.49	3735136.36	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
1295	380600.49	3735136.36	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
1296	380610.49	3735136.36	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
1297	380620.49	3735136.36	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
1298	380630.49	3735136.36	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
1299	380640.49	3735136.36	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
1300	380650.49	3735136.36	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
1301	380660.49	3735136.36	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
1302	380550.49	3735146.36	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
1303	380560.49	3735146.36	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
1304	380570.49	3735146.36	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
1305	380580.49	3735146.36	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
1306	380590.49	3735146.36	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
1307	380600.49	3735146.36	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
1308	380610.49	3735146.36	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
1309	380620.49	3735146.36	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
1310	380630.49	3735146.36	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
1311	380640.49	3735146.36	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
1312	380650.49	3735146.36	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
1313	380660.49	3735146.36	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
1314	380540.49	3735156.36	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
1315	380550.49	3735156.36	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
1316	380560.49	3735156.36	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
1317	380570.49	3735156.36	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
1318	380580.49	3735156.36	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
1319	380590.49	3735156.36	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
1320	380600.49	3735156.36	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
1321	380610.49	3735156.36	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.81E-09	0.00E+00	0.00E+00	0.00E+00	1.81E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
1322	380620.49	3735156.36	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
1323	380630.49	3735156.36	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
1324	380640.49	3735156.36	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
1325	380650.49	3735156.36	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
1326	380660.49	3735156.36	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
1327	380670.49	3735156.36	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
1328	380520.49	3735166.36	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
1329	380530.49	3735166.36	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
1330	380540.49	3735166.36	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
1331	380550.49	3735166.36	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
1332	380560.49	3735166.36	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
1333	380570.49	3735166.36	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
1334	380580.49	3735166.36	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
1335	380590.49	3735166.36	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
1336	380600.49	3735166.36	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.81E-09	0.00E+00	0.00E+00	0.00E+00	1.81E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
1337	380610.49	3735166.36	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
1338	380620.49	3735166.36	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
1339	380630.49	3735166.36	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
1340	380640.49	3735166.36	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
1341	380650.49	3735166.36	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
1342	380660.49	3735166.36	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
1343	380670.49	3735166.36	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
1344	380680.49	3735166.36	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
1345	380520.49	3735176.36	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
1346	380530.49	3735176.36	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
1347	380540.49	3735176.36	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
1348	380550.49	3735176.36	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
1349	380560.49	3735176.36	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
1350	380570.49	3735176.36	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
1351	380580.49	3735176.36	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
1352	380590.49	3735176.36	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.81E-09	0.00E+00	0.00E+00	0.00E+00	1.81E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
1353	380600.49	3735176.36	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
1354	380610.49	3735176.36	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
1355	380620.49	3735176.36	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
1356	380630.49	3735176.36	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
1357	380640.49	3735176.36	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
1358	380650.49	3735176.36	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
1359	380660.49	3735176.36	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
1360	380670.49	3735176.36	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
1361	380680.49	3735176.36	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09

1362	380690.49	3735176.36	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
1363	380510.49	3735186.36	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
1364	380520.49	3735186.36	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
1365	380530.49	3735186.36	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
1366	380540.49	3735186.36	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
1367	380550.49	3735186.36	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
1368	380560.49	3735186.36	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
1369	380570.49	3735186.36	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
1370	380580.49	3735186.36	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
1371	380590.49	3735186.36	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
1372	380600.49	3735186.36	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
1373	380610.49	3735186.36	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
1374	380620.49	3735186.36	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
1375	380630.49	3735186.36	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
1376	380640.49	3735186.36	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.90E-09	0.00E+00	0.00E+00	0.00E+00	1.90E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
1377	380650.49	3735186.36	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
1378	380660.49	3735186.36	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
1379	380670.49	3735186.36	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
1380	380680.49	3735186.36	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
1381	380690.49	3735186.36	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
1382	380500.49	3735196.36	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
1383	380510.49	3735196.36	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
1384	380520.49	3735196.36	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
1385	380530.49	3735196.36	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
1386	380540.49	3735196.36	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
1387	380550.49	3735196.36	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
1388	380560.49	3735196.36	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
1389	380570.49	3735196.36	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.81E-09	0.00E+00	0.00E+00	0.00E+00	1.81E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
1390	380580.49	3735196.36	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
1391	380590.49	3735196.36	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
1392	380600.49	3735196.36	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
1393	380610.49	3735196.36	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
1394	380620.49	3735196.36	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
1395	380630.49	3735196.36	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.90E-09	0.00E+00	0.00E+00	0.00E+00	1.90E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
1396	380640.49	3735196.36	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
1397	380650.49	3735196.36	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
1398	380660.49	3735196.36	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
1399	380670.49	3735196.36	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
1400	380680.49	3735196.36	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
1401	380690.49	3735196.36	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
1402	380700.49	3735196.36	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.03E-09	0.00E+00	0.00E+00	0.00E+00	2.03E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
1403	380500.49	3735206.36	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
1404	380510.49	3735206.36	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
1405	380520.49	3735206.36	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
1406	380530.49	3735206.36	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
1407	380540.49	3735206.36	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
1408	380550.49	3735206.36	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
1409	380560.49	3735206.36	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.81E-09	0.00E+00	0.00E+00	0.00E+00	1.81E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
1410	380570.49	3735206.36	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
1411	380580.49	3735206.36	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
1412	380590.49	3735206.36	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
1413	380600.49	3735206.36	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
1414	380610.49	3735206.36	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
1415	380620.49	3735206.36	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.90E-09	0.00E+00	0.00E+00	0.00E+00	1.90E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
1416	380630.49	3735206.36	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
1417	380640.49	3735206.36	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
1418	380650.49	3735206.36	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
1419	380660.49	3735206.36	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
1420	380670.49	3735206.36	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
1421	380680.49	3735206.36	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
1422	380690.49	3735206.36	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.03E-09	0.00E+00	0.00E+00	0.00E+00	2.03E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
1423	380700.49	3735206.36	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.06E-09	0.00E+00	0.00E+00	0.00E+00	2.06E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
1424	380710.49	3735206.36	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.08E-09	0.00E+00	0.00E+00	0.00E+00	2.08E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
1425	380490.49	3735216.36	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
1426	380500.49	3735216.36	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
1427	380510.49	3735216.36	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
1428	380520.49	3735216.36	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
1429	380530.49	3735216.36	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
1430	380540.49	3735216.36	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
1431	380550.49	3735216.36	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.81E-09	0.00E+00	0.00E+00	0.00E+00	1.81E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
1432	380560.49	3735216.36	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
1433	380570.49	3735216.36	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
1434	380580.49	3735216.36	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
1435	380590.49	3735216.36	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
1436	380600.49	3735216.36	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
1437	380610.49	3735216.36	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
1438	380620.49	3735216.36	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
1439	380630.49	3735216.36	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
1440	380640.49	3735216.36	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
1441	380650.49	3735216.36	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
1442	380660.49	3735216.36	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
1443	380670.49	3735216.36	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
1444	380680.49	3735216.36	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.03E-09	0.00E+00	0.00E+00	0.00E+00	2.03E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
1445	380690.49	3735216.36	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
1446	380700.49	3735216.36	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.08E-09	0.00E+00	0.00E+00	0.00E+00	2.08E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
1447	380710.49	3735216.36	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.10E-09	0.00E+00	0.00E+00	0.00E+00	2.10E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09
1448	380490.49	3735226.36	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
1449	380500.49	3735226.36	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
1450	380510.49	3735226.36	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
1451	380520.49	3735226.36	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
1452	380530.49	3735226.36	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
1453	380540.49	3735226.36	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.81E-09	0.00E+00	0.00E+00	0.00E+00	1.81E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
1454	380550.49	3735226.36	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
1455	380560.49	3735226.36	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
1456	380570.49	3735226.36	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
1457	380580.49	3735226.36	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
1458	380590.49	3735226.36	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
1459	380600.49	3735226.36	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
1460	380610.49	3735226.36	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
1461	380620.49	3735226.36	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
1462	380630.49	3735226.36	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
1463	380640.49	3735226.36	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
1464	380650.49	3735226.36	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
1465	380660.49	3735226.36	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
1466	380670.49	3735226.36	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.03E-09	0.00E+00	0.00E+00	0.00E+00	2.03E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09

1467	380680.49	3735226.36	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
1468	380690.49	3735226.36	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.08E-09	0.00E+00	0.00E+00	0.00E+00	2.08E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
1469	380700.49	3735226.36	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.10E-09	0.00E+00	0.00E+00	0.00E+00	2.10E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
1470	380710.49	3735226.36	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.12E-09	0.00E+00	0.00E+00	0.00E+00	2.12E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
1471	380720.49	3735226.36	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.14E-09	0.00E+00	0.00E+00	0.00E+00	2.14E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
1472	380490.49	3735236.36	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
1473	380500.49	3735236.36	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
1474	380510.49	3735236.36	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
1475	380520.49	3735236.36	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
1476	380530.49	3735236.36	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
1477	380540.49	3735236.36	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
1478	380550.49	3735236.36	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
1479	380560.49	3735236.36	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
1480	380570.49	3735236.36	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
1481	380580.49	3735236.36	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
1482	380590.49	3735236.36	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
1483	380600.49	3735236.36	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
1484	380610.49	3735236.36	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
1485	380620.49	3735236.36	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
1486	380630.49	3735236.36	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
1487	380640.49	3735236.36	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
1488	380650.49	3735236.36	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
1489	380660.49	3735236.36	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.03E-09	0.00E+00	0.00E+00	0.00E+00	2.03E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
1490	380670.49	3735236.36	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
1491	380680.49	3735236.36	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.07E-09	0.00E+00	0.00E+00	0.00E+00	2.07E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
1492	380690.49	3735236.36	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.10E-09	0.00E+00	0.00E+00	0.00E+00	2.10E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
1493	380700.49	3735236.36	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.12E-09	0.00E+00	0.00E+00	0.00E+00	2.12E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
1494	380710.49	3735236.36	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.14E-09	0.00E+00	0.00E+00	0.00E+00	2.14E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09
1495	380720.49	3735236.36	1.40E-08	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.16E-09	0.00E+00	0.00E+00	0.00E+00	2.16E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09
1496	380730.49	3735236.36	1.42E-08	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.19E-09	0.00E+00	0.00E+00	0.00E+00	2.19E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09
1497	380480.49	3735246.36	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
1498	380490.49	3735246.36	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
1499	380500.49	3735246.36	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
1500	380510.49	3735246.36	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
1501	380520.49	3735246.36	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
1502	380530.49	3735246.36	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
1503	380540.49	3735246.36	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
1504	380550.49	3735246.36	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
1505	380560.49	3735246.36	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
1506	380570.49	3735246.36	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
1507	380580.49	3735246.36	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
1508	380590.49	3735246.36	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
1509	380600.49	3735246.36	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
1510	380610.49	3735246.36	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
1511	380620.49	3735246.36	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
1512	380630.49	3735246.36	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
1513	380640.49	3735246.36	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
1514	380650.49	3735246.36	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.03E-09	0.00E+00	0.00E+00	0.00E+00	2.03E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
1515	380660.49	3735246.36	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
1516	380670.49	3735246.36	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.07E-09	0.00E+00	0.00E+00	0.00E+00	2.07E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
1517	380680.49	3735246.36	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.10E-09	0.00E+00	0.00E+00	0.00E+00	2.10E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
1518	380690.49	3735246.36	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.12E-09	0.00E+00	0.00E+00	0.00E+00	2.12E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
1519	380700.49	3735246.36	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.14E-09	0.00E+00	0.00E+00	0.00E+00	2.14E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
1520	380710.49	3735246.36	1.41E-08	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.17E-09	0.00E+00	0.00E+00	0.00E+00	2.17E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09
1521	380720.49	3735246.36	1.42E-08	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.19E-09	0.00E+00	0.00E+00	0.00E+00	2.19E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09
1522	380730.49	3735246.36	1.44E-08	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.21E-09	0.00E+00	0.00E+00	0.00E+00	2.21E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09
1523	380480.49	3735256.36	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
1524	380490.49	3735256.36	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
1525	380500.49	3735256.36	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
1526	380510.49	3735256.36	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
1527	380520.49	3735256.36	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.81E-09	0.00E+00	0.00E+00	0.00E+00	1.81E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
1528	380530.49	3735256.36	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
1529	380540.49	3735256.36	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
1530	380550.49	3735256.36	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
1531	380560.49	3735256.36	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
1532	380570.49	3735256.36	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
1533	380580.49	3735256.36	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
1534	380590.49	3735256.36	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
1535	380600.49	3735256.36	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
1536	380610.49	3735256.36	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
1537	380620.49	3735256.36	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
1538	380630.49	3735256.36	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
1539	380640.49	3735256.36	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.03E-09	0.00E+00	0.00E+00	0.00E+00	2.03E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
1540	380650.49	3735256.36	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.06E-09	0.00E+00	0.00E+00	0.00E+00	2.06E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
1541	380660.49	3735256.36	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.08E-09	0.00E+00	0.00E+00	0.00E+00	2.08E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
1542	380670.49	3735256.36	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.10E-09	0.00E+00	0.00E+00	0.00E+00	2.10E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
1543	380680.49	3735256.36	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.12E-09	0.00E+00	0.00E+00	0.00E+00	2.12E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
1544	380690.49	3735256.36	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.14E-09	0.00E+00	0.00E+00	0.00E+00	2.14E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
1545	380700.49	3735256.36	1.41E-08	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.17E-09	0.00E+00	0.00E+00	0.00E+00	2.17E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09
1546	380710.49	3735256.36	1.42E-08	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.19E-09	0.00E+00	0.00E+00	0.00E+00	2.19E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09
1547	380720.49	3735256.36	1.44E-08	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.22E-09	0.00E+00	0.00E+00	0.00E+00	2.22E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09
1548	380480.49	3735266.36	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
1549	380490.49	3735266.36	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
1550	380500.49	3735266.36	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
1551	380510.49	3735266.36	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.81E-09	0.00E+00	0.00E+00	0.00E+00	1.81E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
1552	380520.49	3735266.36	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
1553	380530.49	3735266.36	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
1554	380540.49	3735266.36	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
1555	380550.49	3735266.36	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
1556	380560.49	3735266.36	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
1557	380570.49	3735266.36	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
1558	380580.49	3735266.36	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
1559	380590.49	3735266.36	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
1560	380600.49	3735266.36	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
1561	380610.49	3735266.36	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
1562	380620.49	3735266.36	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
1563	380630.49	3735266.36	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
1564	380640.49	3735266.36	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.06E-09	0.00E+00	0.00E+00	0.00E+00	2.06E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
1565	380650.49	3735266.36	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.08E-09	0.00E+00	0.00E+00	0.00E+00	2.08E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
1566	380660.49	3735266.36	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.10E-09	0.00E+00	0.00E+00	0.00E+00	2.10E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09
1567	380670.49	3735266.36	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.12E-09	0.00E+00	0.00E+00	0.00E+00	2.12E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
1568	380680.49	3735266.36	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.15E-09	0.00E+00	0.00E+00	0.00E+00	2.15E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
1569	380690.49	3735266.36	1.41E-08	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.17E-09	0.00E+00	0.00E+00	0.00E+00	2.17E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09
1570	380700.49	3735266.36	1.42E-08	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.20E-09	0.00E+00	0.00E+00	0.00E+00	2.20E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09
1571	380710.49	3735266.36	1.44E-08	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.22E-09	0.00E+00	0.00E+00	0.00E+00	2.22E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09

1572	380720.49	3735266.36	1.45E-08	0.00E+00	0.00E+00	0.00E+00	1.45E-08	2.24E-09	0.00E+00	0.00E+00	0.00E+00	2.24E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09
1573	380740.49	3735266.36	1.49E-08	0.00E+00	0.00E+00	0.00E+00	1.49E-08	2.29E-09	0.00E+00	0.00E+00	0.00E+00	2.29E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09
1574	380650.49	3735276.36	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.10E-09	0.00E+00	0.00E+00	0.00E+00	2.10E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09
1575	380660.49	3735276.36	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.13E-09	0.00E+00	0.00E+00	0.00E+00	2.13E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
1576	380670.49	3735276.36	1.40E-08	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.15E-09	0.00E+00	0.00E+00	0.00E+00	2.15E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
1577	380680.49	3735276.36	1.41E-08	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.18E-09	0.00E+00	0.00E+00	0.00E+00	2.18E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09
1578	380690.49	3735276.36	1.43E-08	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.20E-09	0.00E+00	0.00E+00	0.00E+00	2.20E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09
1579	380700.49	3735276.36	1.44E-08	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.23E-09	0.00E+00	0.00E+00	0.00E+00	2.23E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09
1580	380710.49	3735276.36	1.46E-08	0.00E+00	0.00E+00	0.00E+00	1.46E-08	2.25E-09	0.00E+00	0.00E+00	0.00E+00	2.25E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09
1581	380740.49	3735276.36	1.51E-08	0.00E+00	0.00E+00	0.00E+00	1.51E-08	2.32E-09	0.00E+00	0.00E+00	0.00E+00	2.32E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09
1582	380670.49	3735286.36	1.42E-08	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.19E-09	0.00E+00	0.00E+00	0.00E+00	2.19E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09
1583	380680.49	3735286.36	1.44E-08	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.21E-09	0.00E+00	0.00E+00	0.00E+00	2.21E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09
1584	380470.49	3735296.36	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
1585	380480.49	3735296.36	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.81E-09	0.00E+00	0.00E+00	0.00E+00	1.81E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
1586	380490.49	3735296.36	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
1587	380500.49	3735296.36	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
1588	380510.49	3735296.36	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
1589	380520.49	3735296.36	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
1590	380530.49	3735296.36	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.90E-09	0.00E+00	0.00E+00	0.00E+00	1.90E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
1591	380540.49	3735296.36	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
1592	380550.49	3735296.36	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
1593	380560.49	3735296.36	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
1594	380570.49	3735296.36	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
1595	380580.49	3735296.36	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
1596	380590.49	3735296.36	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.03E-09	0.00E+00	0.00E+00	0.00E+00	2.03E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
1597	380470.49	3735306.36	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.81E-09	0.00E+00	0.00E+00	0.00E+00	1.81E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
1598	380480.49	3735306.36	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
1599	380490.49	3735306.36	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
1600	380500.49	3735306.36	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
1601	380510.49	3735306.36	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
1602	380520.49	3735306.36	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.90E-09	0.00E+00	0.00E+00	0.00E+00	1.90E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
1603	380530.49	3735306.36	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
1604	380540.49	3735306.36	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
1605	380550.49	3735306.36	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
1606	380560.49	3735306.36	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
1607	380570.49	3735306.36	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
1608	380580.49	3735306.36	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.03E-09	0.00E+00	0.00E+00	0.00E+00	2.03E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
1609	380590.49	3735306.36	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
1610	380470.49	3735316.36	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
1611	380480.49	3735316.36	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
1612	380490.49	3735316.36	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
1613	380500.49	3735316.36	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
1614	380510.49	3735316.36	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.90E-09	0.00E+00	0.00E+00	0.00E+00	1.90E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
1615	380520.49	3735316.36	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
1616	380530.49	3735316.36	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
1617	380540.49	3735316.36	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
1618	380550.49	3735316.36	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
1619	380560.49	3735316.36	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
1620	380570.49	3735316.36	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.03E-09	0.00E+00	0.00E+00	0.00E+00	2.03E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
1621	380580.49	3735316.36	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
1622	380590.49	3735316.36	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.08E-09	0.00E+00	0.00E+00	0.00E+00	2.08E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
1623	380470.49	3735326.36	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
1624	380480.49	3735326.36	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
1625	380490.49	3735326.36	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
1626	380500.49	3735326.36	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.90E-09	0.00E+00	0.00E+00	0.00E+00	1.90E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
1627	380510.49	3735326.36	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
1628	380520.49	3735326.36	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
1629	380530.49	3735326.36	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
1630	380540.49	3735326.36	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
1631	380550.49	3735326.36	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
1632	380560.49	3735326.36	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
1633	380570.49	3735326.36	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
1634	380580.49	3735326.36	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.07E-09	0.00E+00	0.00E+00	0.00E+00	2.07E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
1635	380590.49	3735326.36	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.10E-09	0.00E+00	0.00E+00	0.00E+00	2.10E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09
1636	380470.49	3735336.36	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
1637	380480.49	3735336.36	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
1638	380490.49	3735336.36	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.90E-09	0.00E+00	0.00E+00	0.00E+00	1.90E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
1639	380500.49	3735336.36	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
1640	380510.49	3735336.36	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
1641	380520.49	3735336.36	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
1642	380530.49	3735336.36	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
1643	380540.49	3735336.36	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
1644	380550.49	3735336.36	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
1645	380560.49	3735336.36	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
1646	380570.49	3735336.36	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.07E-09	0.00E+00	0.00E+00	0.00E+00	2.07E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
1647	380580.49	3735336.36	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.09E-09	0.00E+00	0.00E+00	0.00E+00	2.09E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
1648	380590.49	3735336.36	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.12E-09	0.00E+00	0.00E+00	0.00E+00	2.12E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
1649	380470.49	3735346.36	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
1650	380480.49	3735346.36	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.90E-09	0.00E+00	0.00E+00	0.00E+00	1.90E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
1651	380490.49	3735346.36	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
1652	380500.49	3735346.36	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
1653	380510.49	3735346.36	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
1654	380520.49	3735346.36	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
1655	380530.49	3735346.36	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
1656	380540.49	3735346.36	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
1657	380550.49	3735346.36	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
1658	380560.49	3735346.36	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.06E-09	0.00E+00	0.00E+00	0.00E+00	2.06E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
1659	380570.49	3735346.36	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.09E-09	0.00E+00	0.00E+00	0.00E+00	2.09E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
1660	380580.49	3735346.36	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.11E-09	0.00E+00	0.00E+00	0.00E+00	2.11E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09
1661	380590.49	3735346.36	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.14E-09	0.00E+00	0.00E+00	0.00E+00	2.14E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09
1662	380600.49	3735346.36	1.41E-08	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.17E-09	0.00E+00	0.00E+00	0.00E+00	2.17E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09
1663	380470.49	3735356.36	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.90E-09	0.00E+00	0.00E+00	0.00E+00	1.90E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
1664	380480.49	3735356.36	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
1665	380490.49	3735356.36	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
1666	380500.49	3735356.36	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
1667	380510.49	3735356.36	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
1668	380520.49	3735356.36	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
1669	380530.49	3735356.36	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
1670	380540.49	3735356.36	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
1671	380550.49	3735356.36	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.06E-09	0.00E+00	0.00E+00	0.00E+00	2.06E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
1672	380560.49	3735356.36	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.08E-09	0.00E+00	0.00E+00	0.00E+00	2.08E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
1673	380570.49	3735356.36	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.10E-09	0.00E+00	0.00E+00	0.00E+00	2.10E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09
1674	380580.49	3735356.36	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.13E-09	0.00E+00	0.00E+00	0.00E+00	2.13E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
1675	380590.49	3735356.36	1.40E-08	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.16E-09	0.00E+00	0.00E+00	0.00E+00	2.16E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09
1676	380600.49	3735356.36	1.42E-08	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.19E-09	0.00E+00	0.00E+00	0.00E+00	2.19E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09

1677	380470.49	3735366.36	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
1678	380480.49	3735366.36	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
1679	380490.49	3735366.36	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
1680	380500.49	3735366.36	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
1681	380510.49	3735366.36	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
1682	380520.49	3735366.36	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
1683	380530.49	3735366.36	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
1684	380540.49	3735366.36	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.06E-09	0.00E+00	0.00E+00	0.00E+00	2.06E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
1685	380550.49	3735366.36	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.08E-09	0.00E+00	0.00E+00	0.00E+00	2.08E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
1686	380560.49	3735366.36	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.10E-09	0.00E+00	0.00E+00	0.00E+00	2.10E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09
1687	380570.49	3735366.36	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.13E-09	0.00E+00	0.00E+00	0.00E+00	2.13E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
1688	380580.49	3735366.36	1.40E-08	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.15E-09	0.00E+00	0.00E+00	0.00E+00	2.15E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
1689	380590.49	3735366.36	1.42E-08	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.19E-09	0.00E+00	0.00E+00	0.00E+00	2.19E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09
1690	380600.49	3735366.36	1.44E-08	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.22E-09	0.00E+00	0.00E+00	0.00E+00	2.22E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09
1691	380470.49	3735376.36	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
1692	380480.49	3735376.36	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
1693	380490.49	3735376.36	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
1694	380500.49	3735376.36	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
1695	380510.49	3735376.36	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
1696	380520.49	3735376.36	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
1697	380530.49	3735376.36	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.06E-09	0.00E+00	0.00E+00	0.00E+00	2.06E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
1698	380540.49	3735376.36	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.08E-09	0.00E+00	0.00E+00	0.00E+00	2.08E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
1699	380550.49	3735376.36	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.10E-09	0.00E+00	0.00E+00	0.00E+00	2.10E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
1700	380560.49	3735376.36	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.12E-09	0.00E+00	0.00E+00	0.00E+00	2.12E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
1701	380570.49	3735376.36	1.40E-08	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.15E-09	0.00E+00	0.00E+00	0.00E+00	2.15E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
1702	380580.49	3735376.36	1.41E-08	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.18E-09	0.00E+00	0.00E+00	0.00E+00	2.18E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09
1703	380590.49	3735376.36	1.44E-08	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.21E-09	0.00E+00	0.00E+00	0.00E+00	2.21E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09
1704	380600.49	3735376.36	1.46E-08	0.00E+00	0.00E+00	0.00E+00	1.46E-08	2.25E-09	0.00E+00	0.00E+00	0.00E+00	2.25E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09
1705	380470.49	3735386.36	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
1706	380480.49	3735386.36	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
1707	380490.49	3735386.36	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
1708	380500.49	3735386.36	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
1709	380510.49	3735386.36	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
1710	380520.49	3735386.36	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.06E-09	0.00E+00	0.00E+00	0.00E+00	2.06E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
1711	380530.49	3735386.36	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.08E-09	0.00E+00	0.00E+00	0.00E+00	2.08E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
1712	380540.49	3735386.36	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.10E-09	0.00E+00	0.00E+00	0.00E+00	2.10E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09
1713	380550.49	3735386.36	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.12E-09	0.00E+00	0.00E+00	0.00E+00	2.12E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
1714	380560.49	3735386.36	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.15E-09	0.00E+00	0.00E+00	0.00E+00	2.15E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
1715	380570.49	3735386.36	1.41E-08	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.18E-09	0.00E+00	0.00E+00	0.00E+00	2.18E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09
1716	380580.49	3735386.36	1.43E-08	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.20E-09	0.00E+00	0.00E+00	0.00E+00	2.20E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09
1717	380470.49	3735396.36	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
1718	380480.49	3735396.36	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
1719	380490.49	3735396.36	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.03E-09	0.00E+00	0.00E+00	0.00E+00	2.03E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
1720	380500.49	3735396.36	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
1721	380510.49	3735396.36	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.07E-09	0.00E+00	0.00E+00	0.00E+00	2.07E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
1722	380520.49	3735396.36	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.09E-09	0.00E+00	0.00E+00	0.00E+00	2.09E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
1723	380530.49	3735396.36	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.11E-09	0.00E+00	0.00E+00	0.00E+00	2.11E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09
1724	380540.49	3735396.36	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.13E-09	0.00E+00	0.00E+00	0.00E+00	2.13E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
1725	380550.49	3735396.36	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.15E-09	0.00E+00	0.00E+00	0.00E+00	2.15E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
1726	380560.49	3735396.36	1.41E-08	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.18E-09	0.00E+00	0.00E+00	0.00E+00	2.18E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09
1727	380570.49	3735396.36	1.43E-08	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.20E-09	0.00E+00	0.00E+00	0.00E+00	2.20E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09
1728	380470.49	3735406.36	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
1729	380480.49	3735406.36	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
1730	380490.49	3735406.36	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.07E-09	0.00E+00	0.00E+00	0.00E+00	2.07E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
1731	380500.49	3735406.36	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.08E-09	0.00E+00	0.00E+00	0.00E+00	2.08E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
1732	380510.49	3735406.36	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.10E-09	0.00E+00	0.00E+00	0.00E+00	2.10E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09
1733	380520.49	3735406.36	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.12E-09	0.00E+00	0.00E+00	0.00E+00	2.12E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
1734	380530.49	3735406.36	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.14E-09	0.00E+00	0.00E+00	0.00E+00	2.14E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09
1735	380540.49	3735406.36	1.40E-08	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.16E-09	0.00E+00	0.00E+00	0.00E+00	2.16E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
1736	380550.49	3735406.36	1.41E-08	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.18E-09	0.00E+00	0.00E+00	0.00E+00	2.18E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09
1737	380470.49	3735416.36	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.06E-09	0.00E+00	0.00E+00	0.00E+00	2.06E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
1738	380480.49	3735416.36	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.08E-09	0.00E+00	0.00E+00	0.00E+00	2.08E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
1739	380490.49	3735416.36	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.10E-09	0.00E+00	0.00E+00	0.00E+00	2.10E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
1740	380500.49	3735416.36	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.12E-09	0.00E+00	0.00E+00	0.00E+00	2.12E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
1741	380510.49	3735416.36	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.14E-09	0.00E+00	0.00E+00	0.00E+00	2.14E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09
1742	380520.49	3735416.36	1.40E-08	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.16E-09	0.00E+00	0.00E+00	0.00E+00	2.16E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
1743	380530.49	3735416.36	1.41E-08	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.17E-09	0.00E+00	0.00E+00	0.00E+00	2.17E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09
1744	380540.49	3735416.36	1.42E-08	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.19E-09	0.00E+00	0.00E+00	0.00E+00	2.19E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09
1745	380508.6	3735428.15	1.42E-08	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.18E-09	0.00E+00	0.00E+00	0.00E+00	2.18E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09
1746	380755.22	3735274.08	1.53E-08	0.00E+00	0.00E+00	0.00E+00	1.53E-08	2.35E-09	0.00E+00	0.00E+00	0.00E+00	2.35E-09	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09
1747	380765.97	3735264.53	1.53E-08	0.00E+00	0.00E+00	0.00E+00	1.53E-08	2.36E-09	0.00E+00	0.00E+00	0.00E+00	2.36E-09	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09
1748	381012.29	3735349.99	2.18E-08	0.00E+00	0.00E+00	0.00E+00	2.18E-08	3.37E-09	0.00E+00	0.00E+00	0.00E+00	3.37E-09	2.24E-09	0.00E+00	0.00E+00	0.00E+00	2.24E-09
1749	381038.28	3735349.99	2.25E-08	0.00E+00	0.00E+00	0.00E+00	2.25E-08	3.46E-09	0.00E+00	0.00E+00	0.00E+00	3.46E-09	2.30E-09	0.00E+00	0.00E+00	0.00E+00	2.30E-09
1750	381011.59	3735332.43	2.06E-08	0.00E+00	0.00E+00	0.00E+00	2.06E-08	3.17E-09	0.00E+00	0.00E+00	0.00E+00	3.17E-09	2.11E-09	0.00E+00	0.00E+00	0.00E+00	2.11E-09
1751	381036.18	3735330.32	2.08E-08	0.00E+00	0.00E+00	0.00E+00	2.08E-08	3.21E-09	0.00E+00	0.00E+00	0.00E+00	3.21E-09	2.13E-09	0.00E+00	0.00E+00	0.00E+00	2.13E-09
1752	381061.47	3735332.43	2.13E-08	0.00E+00	0.00E+00	0.00E+00	2.13E-08	3.28E-09	0.00E+00	0.00E+00	0.00E+00	3.28E-09	2.18E-09	0.00E+00	0.00E+00	0.00E+00	2.18E-09
1753	381076.92	3735323.29	2.13E-08	0.00E+00	0.00E+00	0.00E+00	2.13E-08	3.28E-09	0.00E+00	0.00E+00	0.00E+00	3.28E-09	2.18E-09	0.00E+00	0.00E+00	0.00E+00	2.18E-09
1754	381090.27	3735310.65	2.09E-08	0.00E+00	0.00E+00	0.00E+00	2.09E-08	3.23E-09	0.00E+00	0.00E+00	0.00E+00	3.23E-09	2.14E-09	0.00E+00	0.00E+00	0.00E+00	2.14E-09
1755	381093.78	3735292.38	2.03E-08	0.00E+00	0.00E+00	0.00E+00	2.03E-08	3.14E-09	0.00E+00	0.00E+00	0.00E+00	3.14E-09	2.08E-09	0.00E+00	0.00E+00	0.00E+00	2.08E-09
1756	381094.49	3735274.11	2.00E-08	0.00E+00	0.00E+00	0.00E+00	2.00E-08	3.07E-09	0.00E+00	0.00E+00	0.00E+00	3.07E-09	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09
1757	381081.84	3735247.42	1.92E-08	0.00E+00	0.00E+00	0.00E+00	1.92E-08	2.95E-09	0.00E+00	0.00E+00	0.00E+00	2.95E-09	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09
1758	381072.71	3735232.66	1.87E-08	0.00E+00	0.00E+00	0.00E+00	1.87E-08	2.88E-09	0.00E+00	0.00E+00	0.00E+00	2.88E-09	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09
1759	381052.33	3735222.13	1.81E-08	0.00E+00	0.00E+00	0.00E+00	1.81E-08	2.79E-09	0.00E+00	0.00E+00	0.00E+00	2.79E-09	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09
1760	381038.28	3735225.64	1.80E-08	0.00E+00	0.00E+00	0.00E+00	1.80E-08	2.77E-09	0.00E+00	0.00E+00	0.00E+00	2.77E-09	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09
1761	381040.39	3735252.34	1.86E-08	0.00E+00	0.00E+00	0.00E+00	1.86E-08	2.87E-09	0.00E+00	0.00E+00	0.00E+00	2.87E-09	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09
1762	381036.88	3735267.79	1.90E-08	0.00E+00	0.00E+00	0.00E+00	1.90E-08	2.93E-09	0.00E+00	0.00E+00	0.00E+00	2.93E-09	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09
1763	381050.93	3735255.85	1.89E-08	0.00E+00	0.00E+00	0.00E+00	1.89E-08	2.91E-09	0.00E+00	0.00E+00	0.00E+00	2.91E-09	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09
1764	381069.9	3735249.53	1.90E-08	0.00E+00	0.00E+00	0.00E+00	1.90E-08	2.93E-09	0.00E+00	0.00E+00	0.00E+00	2.93E-09	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09
1765	381053.04	3735295.89	2.00E-08	0.00E+00	0.00E+00	0.00E+00	2.00E-08	3.08E-09	0.00E+00	0.00E+00	0.00E+00	3.08E-09	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09
1766	381069.9	3735307.84	2.05E-08	0.00E+00	0.00E+00	0.00E+00	2.05E-08	3.17E-09	0.00E+00	0.00E+00	0.00E+00	3.17E-09	2.10E-09	0.00E+00	0.00E+00	0.00E+00	2.10E-09
1767	381006.97	3735349.05	2.16E-08	0.00E+00	0.00E+00	0.00E+00	2.16E-08	3.33E-09	0.00E+00	0.00E+00	0.00E+00	3.33E-09	2.21E-09	0.00E+00	0.00E+00	0.00E+00	2.21E-09
1768	381020.17	3735352.72	2.23E-08	0.00E+00	0.00E+00	0.00E+00	2.23E-08	3.43E-09	0.00E+00	0.00E+00	0.00E+00	3.43E-09	2.28E-09	0.00E+00	0.00E+00	0.00E+00	2.28E-09
1769	381031.54	3735356.02	2.26E-08	0.00E+00	0.00E+00	0.00E+00	2.26E-08	3.48E-09	0.00E+00	0.00E+00	0.00E+00	3.48E-09	2.31E-09	0.00E+00	0.00E+00	0.00E+00	2.31E-09
1770	381015.41	3735331.08	2.05E-08	0.00E+00	0.00E+00	0.00E+00	2.05E-08	3.17E-09	0.00E+00	0.00E+00	0.00E+00	3.17E-09	2.10E-09	0.00E+00	0.00E+00	0.00E+00	2.10E-09
1771	381028.97	3735338.78	2.14E-08	0.00E+00	0.00E+00	0.00E+00	2.14E-08	3.30E-09	0.00E+00	0.00E+00	0.00E+00	3.30E-09	2.19E-09	0.00E+00	0.00E+00	0.00E+00	2.19E-09
1772	381046.94	3735345.38	2.20E-08	0.00E+00	0.00E+00	0.00E+00	2.20E-08	3.39E-09	0.00E+00	0.00E+00	0.00E+00	3.39E-09	2.25E-09	0.00E+00	0.00E+00	0.00E+00	2.25E-09
1773	381062.71	3735339.51	2.17E-08	0.00E+00	0.00E+00	0.00E+00	2.17E-08	3.34E-09	0.00E+00	0.00E+00	0.00E+00	3.34E-09	2.22E-09	0.00E+00	0.00E+00	0.00E+00	2.22E-09
1774	381059.78	3735317.51	2.07E-08	0.00E+00	0.00E+00	0.00E+00	2.07E-08	3.19E-09	0.00E+00	0.00E+00	0.00E+00	3.19E-09	2.12E-09	0.00E+00	0.00E+00	0.00E+00	2.12E-09
1775	381083.99	3735329.98	2.17E-08	0.00E+00	0.00E+00	0.00E+00	2.17E-08	3.35E-09	0.00E+00	0.00E+00	0.00E+00	3.35E-09	2.23E-09	0.00E+00	0.00E+00	0.00E+00	2.23E-09
1776	381073.72	3735314.57	2.08E-08	0.00E+00	0.00E+00	0.00E+00	2.08E-08	3.21E-09	0.00E+00	0.00E+00	0.00E+00	3.21E-09	2.14E-09	0.00E+00	0.00E+00	0.00E+00	2.14E-09
1777	381102.32	3735309.07	2.10E-08	0.00E+00	0.00E+00	0.00E+00	2.10E-08	3.24E-09	0.00E+00	0.00E+00	0.00E+00	3.24E-09	2.16E-09	0.00E+00	0.00E+00	0.00E+00	2.16E-09
1778	381079.95	3735299.9	2.04E-08	0.00E+00	0.00E+00	0.00E+00	2.04E-08	3.14E-09	0.00E+00	0.00E+00	0.00E+00	3.14E-09	2.09E-09	0.00E+00	0.00E+00	0.00E+00	2.09E-09
1779	381104.89	3735283.03	2.03E-08	0.00E+00	0.00E+00	0.00E+00	2.03E-08	3.13E-09	0.00E+00	0.00E+00	0.00E+00	3.13E-09	2.08E-09	0.00E+00	0.00E+00	0.00E+00	2.08E-09
1780	381074.45	3735282.3	1.99E-08	0.00E+00	0.00E+00	0.00E+00	1.99E-08	3.06E-09	0.00E+00	0.00E+00	0.00E+00	3.06E-09	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09
1781	381420.12	3734697.69	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09

1782	381430.12	3734697.69	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
1783	381440.12	3734697.69	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
1784	381450.12	3734697.69	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
1785	381090.12	3734707.69	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
1786	381100.12	3734707.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
1787	381110.12	3734707.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
1788	381120.12	3734707.69	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
1789	381130.12	3734707.69	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
1790	381140.12	3734707.69	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
1791	381150.12	3734707.69	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
1792	381160.12	3734707.69	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
1793	381170.12	3734707.69	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
1794	381180.12	3734707.69	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
1795	381190.12	3734707.69	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
1796	381200.12	3734707.69	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
1797	381210.12	3734707.69	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
1798	381220.12	3734707.69	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
1799	381230.12	3734707.69	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.81E-09	0.00E+00	0.00E+00	0.00E+00	1.81E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
1800	381240.12	3734707.69	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
1801	381250.12	3734707.69	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
1802	381260.12	3734707.69	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
1803	381270.12	3734707.69	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
1804	381280.12	3734707.69	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
1805	381290.12	3734707.69	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
1806	381300.12	3734707.69	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
1807	381310.12	3734707.69	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
1808	381320.12	3734707.69	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
1809	381330.12	3734707.69	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.90E-09	0.00E+00	0.00E+00	0.00E+00	1.90E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
1810	381340.12	3734707.69	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
1811	381350.12	3734707.69	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
1812	381360.12	3734707.69	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
1813	381370.12	3734707.69	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
1814	381380.12	3734707.69	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
1815	381390.12	3734707.69	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
1816	381400.12	3734707.69	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
1817	381410.12	3734707.69	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
1818	381420.12	3734707.69	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
1819	381430.12	3734707.69	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
1820	381440.12	3734707.69	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
1821	381450.12	3734707.69	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
1822	380750.12	3734717.69	9.03E-09	0.00E+00	0.00E+00	0.00E+00	9.03E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09	9.25E-10	0.00E+00	0.00E+00	0.00E+00	9.25E-10
1823	380760.12	3734717.69	9.08E-09	0.00E+00	0.00E+00	0.00E+00	9.08E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09	9.30E-10	0.00E+00	0.00E+00	0.00E+00	9.30E-10
1824	380770.12	3734717.69	9.13E-09	0.00E+00	0.00E+00	0.00E+00	9.13E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09	9.35E-10	0.00E+00	0.00E+00	0.00E+00	9.35E-10
1825	380780.12	3734717.69	9.18E-09	0.00E+00	0.00E+00	0.00E+00	9.18E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09	9.41E-10	0.00E+00	0.00E+00	0.00E+00	9.41E-10
1826	380790.12	3734717.69	9.24E-09	0.00E+00	0.00E+00	0.00E+00	9.24E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09	9.46E-10	0.00E+00	0.00E+00	0.00E+00	9.46E-10
1827	380800.12	3734717.69	9.29E-09	0.00E+00	0.00E+00	0.00E+00	9.29E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09	9.52E-10	0.00E+00	0.00E+00	0.00E+00	9.52E-10
1828	380810.12	3734717.69	9.33E-09	0.00E+00	0.00E+00	0.00E+00	9.33E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09	9.56E-10	0.00E+00	0.00E+00	0.00E+00	9.56E-10
1829	380820.12	3734717.69	9.38E-09	0.00E+00	0.00E+00	0.00E+00	9.38E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09	9.61E-10	0.00E+00	0.00E+00	0.00E+00	9.61E-10
1830	380830.12	3734717.69	9.42E-09	0.00E+00	0.00E+00	0.00E+00	9.42E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09	9.65E-10	0.00E+00	0.00E+00	0.00E+00	9.65E-10
1831	380840.12	3734717.69	9.47E-09	0.00E+00	0.00E+00	0.00E+00	9.47E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09	9.70E-10	0.00E+00	0.00E+00	0.00E+00	9.70E-10
1832	380850.12	3734717.69	9.51E-09	0.00E+00	0.00E+00	0.00E+00	9.51E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09	9.74E-10	0.00E+00	0.00E+00	0.00E+00	9.74E-10
1833	380860.12	3734717.69	9.58E-09	0.00E+00	0.00E+00	0.00E+00	9.58E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09	9.81E-10	0.00E+00	0.00E+00	0.00E+00	9.81E-10
1834	380870.12	3734717.69	9.63E-09	0.00E+00	0.00E+00	0.00E+00	9.63E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09	9.87E-10	0.00E+00	0.00E+00	0.00E+00	9.87E-10
1835	380880.12	3734717.69	9.69E-09	0.00E+00	0.00E+00	0.00E+00	9.69E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09	9.92E-10	0.00E+00	0.00E+00	0.00E+00	9.92E-10
1836	380890.12	3734717.69	9.75E-09	0.00E+00	0.00E+00	0.00E+00	9.75E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09	9.99E-10	0.00E+00	0.00E+00	0.00E+00	9.99E-10
1837	380900.12	3734717.69	9.82E-09	0.00E+00	0.00E+00	0.00E+00	9.82E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
1838	380910.12	3734717.69	9.88E-09	0.00E+00	0.00E+00	0.00E+00	9.88E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
1839	380920.12	3734717.69	9.94E-09	0.00E+00	0.00E+00	0.00E+00	9.94E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
1840	380930.12	3734717.69	1.00E-08	0.00E+00	0.00E+00	0.00E+00	1.00E-08	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
1841	380940.12	3734717.69	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
1842	380950.12	3734717.69	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
1843	380960.12	3734717.69	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
1844	380970.12	3734717.69	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
1845	380980.12	3734717.69	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
1846	380990.12	3734717.69	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
1847	381000.12	3734717.69	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
1848	381010.12	3734717.69	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
1849	381020.12	3734717.69	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
1850	381030.12	3734717.69	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
1851	381040.12	3734717.69	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
1852	381050.12	3734717.69	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
1853	381060.12	3734717.69	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
1854	381070.12	3734717.69	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
1855	381080.12	3734717.69	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
1856	381090.12	3734717.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
1857	381100.12	3734717.69	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
1858	381110.12	3734717.69	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
1859	381120.12	3734717.69	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
1860	381130.12	3734717.69	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
1861	381140.12	3734717.69	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
1862	381150.12	3734717.69	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
1863	381160.12	3734717.69	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
1864	381170.12	3734717.69	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
1865	381180.12	3734717.69	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
1866	381190.12	3734717.69	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
1867	381200.12	3734717.69	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
1868	381210.12	3734717.69	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.81E-09	0.00E+00	0.00E+00	0.00E+00	1.81E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
1869	381220.12	3734717.69	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.81E-09	0.00E+00	0.00E+00	0.00E+00	1.81E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
1870	381230.12	3734717.69	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
1871	381240.12	3734717.69	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
1872	381250.12	3734717.69	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
1873	381260.12	3734717.69	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
1874	381270.12	3734717.69	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
1875	381280.12	3734717.69	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
1876	381290.12	3734717.69	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
1877	381300.12	3734717.69	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
1878	381310.12	3734717.69	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
1879	381320.12	3734717.69	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
1880	381330.12	3734717.69	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
1881	381340.12	3734717.69	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
1882	381350.12	3734717.69	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
1883	381360.12	3734717.69	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
1884	381370.12	3734717.69	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
1885	381380.12	3734717.69	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
1886	381390.12	3734717.69	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09

1887	381400.12	3734717.69	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
1888	381410.12	3734717.69	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
1889	381420.12	3734717.69	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
1890	381430.12	3734717.69	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
1891	381440.12	3734717.69	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
1892	381450.12	3734717.69	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
1893	380410.12	3734727.69	7.66E-09	0.00E+00	0.00E+00	0.00E+00	7.66E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09	7.84E-10	0.00E+00	0.00E+00	0.00E+00	7.84E-10
1894	380420.12	3734727.69	7.71E-09	0.00E+00	0.00E+00	0.00E+00	7.71E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09	7.90E-10	0.00E+00	0.00E+00	0.00E+00	7.90E-10
1895	380430.12	3734727.69	7.75E-09	0.00E+00	0.00E+00	0.00E+00	7.75E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09	7.94E-10	0.00E+00	0.00E+00	0.00E+00	7.94E-10
1896	380440.12	3734727.69	7.79E-09	0.00E+00	0.00E+00	0.00E+00	7.79E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09	7.98E-10	0.00E+00	0.00E+00	0.00E+00	7.98E-10
1897	380450.12	3734727.69	7.84E-09	0.00E+00	0.00E+00	0.00E+00	7.84E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09	8.03E-10	0.00E+00	0.00E+00	0.00E+00	8.03E-10
1898	380460.12	3734727.69	7.88E-09	0.00E+00	0.00E+00	0.00E+00	7.88E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09	8.07E-10	0.00E+00	0.00E+00	0.00E+00	8.07E-10
1899	380470.12	3734727.69	7.92E-09	0.00E+00	0.00E+00	0.00E+00	7.92E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09	8.11E-10	0.00E+00	0.00E+00	0.00E+00	8.11E-10
1900	380480.12	3734727.69	7.96E-09	0.00E+00	0.00E+00	0.00E+00	7.96E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09	8.15E-10	0.00E+00	0.00E+00	0.00E+00	8.15E-10
1901	380490.12	3734727.69	8.00E-09	0.00E+00	0.00E+00	0.00E+00	8.00E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09	8.19E-10	0.00E+00	0.00E+00	0.00E+00	8.19E-10
1902	380500.12	3734727.69	8.04E-09	0.00E+00	0.00E+00	0.00E+00	8.04E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09	8.23E-10	0.00E+00	0.00E+00	0.00E+00	8.23E-10
1903	380510.12	3734727.69	8.08E-09	0.00E+00	0.00E+00	0.00E+00	8.08E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09	8.27E-10	0.00E+00	0.00E+00	0.00E+00	8.27E-10
1904	380520.12	3734727.69	8.12E-09	0.00E+00	0.00E+00	0.00E+00	8.12E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09	8.31E-10	0.00E+00	0.00E+00	0.00E+00	8.31E-10
1905	380530.12	3734727.69	8.16E-09	0.00E+00	0.00E+00	0.00E+00	8.16E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09	8.35E-10	0.00E+00	0.00E+00	0.00E+00	8.35E-10
1906	380540.12	3734727.69	8.20E-09	0.00E+00	0.00E+00	0.00E+00	8.20E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09	8.40E-10	0.00E+00	0.00E+00	0.00E+00	8.40E-10
1907	380550.12	3734727.69	8.24E-09	0.00E+00	0.00E+00	0.00E+00	8.24E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09	8.44E-10	0.00E+00	0.00E+00	0.00E+00	8.44E-10
1908	380560.12	3734727.69	8.28E-09	0.00E+00	0.00E+00	0.00E+00	8.28E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09	8.48E-10	0.00E+00	0.00E+00	0.00E+00	8.48E-10
1909	380570.12	3734727.69	8.33E-09	0.00E+00	0.00E+00	0.00E+00	8.33E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09	8.53E-10	0.00E+00	0.00E+00	0.00E+00	8.53E-10
1910	380580.12	3734727.69	8.37E-09	0.00E+00	0.00E+00	0.00E+00	8.37E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09	8.57E-10	0.00E+00	0.00E+00	0.00E+00	8.57E-10
1911	380590.12	3734727.69	8.41E-09	0.00E+00	0.00E+00	0.00E+00	8.41E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09	8.61E-10	0.00E+00	0.00E+00	0.00E+00	8.61E-10
1912	380600.12	3734727.69	8.45E-09	0.00E+00	0.00E+00	0.00E+00	8.45E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09	8.65E-10	0.00E+00	0.00E+00	0.00E+00	8.65E-10
1913	380610.12	3734727.69	8.50E-09	0.00E+00	0.00E+00	0.00E+00	8.50E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09	8.71E-10	0.00E+00	0.00E+00	0.00E+00	8.71E-10
1914	380620.12	3734727.69	8.55E-09	0.00E+00	0.00E+00	0.00E+00	8.55E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09	8.76E-10	0.00E+00	0.00E+00	0.00E+00	8.76E-10
1915	380630.12	3734727.69	8.61E-09	0.00E+00	0.00E+00	0.00E+00	8.61E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09	8.81E-10	0.00E+00	0.00E+00	0.00E+00	8.81E-10
1916	380640.12	3734727.69	8.66E-09	0.00E+00	0.00E+00	0.00E+00	8.66E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09	8.87E-10	0.00E+00	0.00E+00	0.00E+00	8.87E-10
1917	380650.12	3734727.69	8.70E-09	0.00E+00	0.00E+00	0.00E+00	8.70E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09	8.91E-10	0.00E+00	0.00E+00	0.00E+00	8.91E-10
1918	380660.12	3734727.69	8.74E-09	0.00E+00	0.00E+00	0.00E+00	8.74E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09	8.95E-10	0.00E+00	0.00E+00	0.00E+00	8.95E-10
1919	380670.12	3734727.69	8.79E-09	0.00E+00	0.00E+00	0.00E+00	8.79E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09	9.00E-10	0.00E+00	0.00E+00	0.00E+00	9.00E-10
1920	380680.12	3734727.69	8.82E-09	0.00E+00	0.00E+00	0.00E+00	8.82E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09	9.03E-10	0.00E+00	0.00E+00	0.00E+00	9.03E-10
1921	380690.12	3734727.69	8.86E-09	0.00E+00	0.00E+00	0.00E+00	8.86E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09	9.07E-10	0.00E+00	0.00E+00	0.00E+00	9.07E-10
1922	380700.12	3734727.69	8.89E-09	0.00E+00	0.00E+00	0.00E+00	8.89E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09	9.11E-10	0.00E+00	0.00E+00	0.00E+00	9.11E-10
1923	380710.12	3734727.69	8.92E-09	0.00E+00	0.00E+00	0.00E+00	8.92E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09	9.14E-10	0.00E+00	0.00E+00	0.00E+00	9.14E-10
1924	380720.12	3734727.69	8.96E-09	0.00E+00	0.00E+00	0.00E+00	8.96E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09	9.18E-10	0.00E+00	0.00E+00	0.00E+00	9.18E-10
1925	380730.12	3734727.69	9.00E-09	0.00E+00	0.00E+00	0.00E+00	9.00E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09	9.22E-10	0.00E+00	0.00E+00	0.00E+00	9.22E-10
1926	380740.12	3734727.69	9.04E-09	0.00E+00	0.00E+00	0.00E+00	9.04E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09	9.26E-10	0.00E+00	0.00E+00	0.00E+00	9.26E-10
1927	380750.12	3734727.69	9.09E-09	0.00E+00	0.00E+00	0.00E+00	9.09E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09	9.31E-10	0.00E+00	0.00E+00	0.00E+00	9.31E-10
1928	380760.12	3734727.69	9.15E-09	0.00E+00	0.00E+00	0.00E+00	9.15E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09	9.37E-10	0.00E+00	0.00E+00	0.00E+00	9.37E-10
1929	380770.12	3734727.69	9.20E-09	0.00E+00	0.00E+00	0.00E+00	9.20E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09	9.42E-10	0.00E+00	0.00E+00	0.00E+00	9.42E-10
1930	380780.12	3734727.69	9.25E-09	0.00E+00	0.00E+00	0.00E+00	9.25E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09	9.48E-10	0.00E+00	0.00E+00	0.00E+00	9.48E-10
1931	380790.12	3734727.69	9.30E-09	0.00E+00	0.00E+00	0.00E+00	9.30E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09	9.53E-10	0.00E+00	0.00E+00	0.00E+00	9.53E-10
1932	380800.12	3734727.69	9.36E-09	0.00E+00	0.00E+00	0.00E+00	9.36E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09	9.58E-10	0.00E+00	0.00E+00	0.00E+00	9.58E-10
1933	380810.12	3734727.69	9.41E-09	0.00E+00	0.00E+00	0.00E+00	9.41E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09	9.64E-10	0.00E+00	0.00E+00	0.00E+00	9.64E-10
1934	380820.12	3734727.69	9.45E-09	0.00E+00	0.00E+00	0.00E+00	9.45E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09	9.68E-10	0.00E+00	0.00E+00	0.00E+00	9.68E-10
1935	380830.12	3734727.69	9.50E-09	0.00E+00	0.00E+00	0.00E+00	9.50E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09	9.73E-10	0.00E+00	0.00E+00	0.00E+00	9.73E-10
1936	380840.12	3734727.69	9.54E-09	0.00E+00	0.00E+00	0.00E+00	9.54E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09	9.77E-10	0.00E+00	0.00E+00	0.00E+00	9.77E-10
1937	380850.12	3734727.69	9.59E-09	0.00E+00	0.00E+00	0.00E+00	9.59E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09	9.83E-10	0.00E+00	0.00E+00	0.00E+00	9.83E-10
1938	380860.12	3734727.69	9.65E-09	0.00E+00	0.00E+00	0.00E+00	9.65E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09	9.88E-10	0.00E+00	0.00E+00	0.00E+00	9.88E-10
1939	380870.12	3734727.69	9.70E-09	0.00E+00	0.00E+00	0.00E+00	9.70E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09	9.93E-10	0.00E+00	0.00E+00	0.00E+00	9.93E-10
1940	380880.12	3734727.69	9.75E-09	0.00E+00	0.00E+00	0.00E+00	9.75E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09	9.99E-10	0.00E+00	0.00E+00	0.00E+00	9.99E-10
1941	380890.12	3734727.69	9.82E-09	0.00E+00	0.00E+00	0.00E+00	9.82E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
1942	380900.12	3734727.69	9.88E-09	0.00E+00	0.00E+00	0.00E+00	9.88E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
1943	380910.12	3734727.69	9.96E-09	0.00E+00	0.00E+00	0.00E+00	9.96E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
1944	380920.12	3734727.69	1.00E-08	0.00E+00	0.00E+00	0.00E+00	1.00E-08	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
1945	380930.12	3734727.69	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
1946	380940.12	3734727.69	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
1947	380950.12	3734727.69	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
1948	380960.12	3734727.69	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
1949	380970.12	3734727.69	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
1950	380980.12	3734727.69	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
1951	380990.12	3734727.69	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
1952	381000.12	3734727.69	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
1953	381010.12	3734727.69	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
1954	381020.12	3734727.69	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
1955	381030.12	3734727.69	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
1956	381040.12	3734727.69	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
1957	381050.12	3734727.69	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
1958	381060.12	3734727.69	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
1959	381070.12	3734727.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
1960	381080.12	3734727.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
1961	381090.12	3734727.69	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
1962	381100.12	3734727.69	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
1963	381110.12	3734727.69	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
1964	381120.12	3734727.69	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
1965	381130.12	3734727.69	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
1966	381140.12	3734727.69	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
1967	381150.12	3734727.69	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
1968	381160.12	3734727.69	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
1969	381170.12	3734727.69	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
1970	381180.12	3734727.69	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
1971	381190.12	3734727.69	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
1972	381200.12	3734727.69	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.81E-09	0.00E+00	0.00E+00	0.00E+00	1.81E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
1973	381210.12	3734727.69	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
1974	381220.12	3734727.69	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
1975	381230.12	3734727.69	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
1976	381240.12	3734727.69	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
1977	381250.12	3734727.69	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
1978	381260.12	3734727.69	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
1979	381270.12	3734727.69	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
1980	381280.12	3734727.69	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
1981	381290.12	3734727.69	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
1982	381300.12	3734727.69	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.90E-09	0.00E+00	0.00E+00	0.00E+00	1.90E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
1983	381310.12	3734727.69	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
1984	381320.12	3734727.69	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
1985	381330.12	3734727.69	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
1986	381340.12	3734727.69	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
1987	381350.12	3734727.69	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
1988	381360.12	3734727.69	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
1989	381370.12	3734727.69	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
1990	381380.12	3734727.69	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
1991	381390.12	3734727.69	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09

1992	381400.12	3734727.69	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
1993	381410.12	3734727.69	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
1994	381420.12	3734727.69	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.03E-09	0.00E+00	0.00E+00	0.00E+00	2.03E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
1995	381430.12	3734727.69	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
1996	381440.12	3734727.69	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
1997	381450.12	3734727.69	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
1998	380350.12	3734737.69	7.41E-09	0.00E+00	0.00E+00	0.00E+00	7.41E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09	7.59E-10	0.00E+00	0.00E+00	0.00E+00	7.59E-10
1999	380360.12	3734737.69	7.46E-09	0.00E+00	0.00E+00	0.00E+00	7.46E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09	7.64E-10	0.00E+00	0.00E+00	0.00E+00	7.64E-10
2000	380370.12	3734737.69	7.51E-09	0.00E+00	0.00E+00	0.00E+00	7.51E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09	7.69E-10	0.00E+00	0.00E+00	0.00E+00	7.69E-10
2001	380380.12	3734737.69	7.56E-09	0.00E+00	0.00E+00	0.00E+00	7.56E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09	7.75E-10	0.00E+00	0.00E+00	0.00E+00	7.75E-10
2002	380390.12	3734737.69	7.62E-09	0.00E+00	0.00E+00	0.00E+00	7.62E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09	7.80E-10	0.00E+00	0.00E+00	0.00E+00	7.80E-10
2003	380400.12	3734737.69	7.66E-09	0.00E+00	0.00E+00	0.00E+00	7.66E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09	7.84E-10	0.00E+00	0.00E+00	0.00E+00	7.84E-10
2004	380410.12	3734737.69	7.70E-09	0.00E+00	0.00E+00	0.00E+00	7.70E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09	7.88E-10	0.00E+00	0.00E+00	0.00E+00	7.88E-10
2005	380420.12	3734737.69	7.75E-09	0.00E+00	0.00E+00	0.00E+00	7.75E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09	7.94E-10	0.00E+00	0.00E+00	0.00E+00	7.94E-10
2006	380430.12	3734737.69	7.79E-09	0.00E+00	0.00E+00	0.00E+00	7.79E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09	7.98E-10	0.00E+00	0.00E+00	0.00E+00	7.98E-10
2007	380440.12	3734737.69	7.83E-09	0.00E+00	0.00E+00	0.00E+00	7.83E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09	8.02E-10	0.00E+00	0.00E+00	0.00E+00	8.02E-10
2008	380450.12	3734737.69	7.88E-09	0.00E+00	0.00E+00	0.00E+00	7.88E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09	8.07E-10	0.00E+00	0.00E+00	0.00E+00	8.07E-10
2009	380460.12	3734737.69	7.92E-09	0.00E+00	0.00E+00	0.00E+00	7.92E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09	8.11E-10	0.00E+00	0.00E+00	0.00E+00	8.11E-10
2010	380470.12	3734737.69	7.96E-09	0.00E+00	0.00E+00	0.00E+00	7.96E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09	8.15E-10	0.00E+00	0.00E+00	0.00E+00	8.15E-10
2011	380480.12	3734737.69	8.01E-09	0.00E+00	0.00E+00	0.00E+00	8.01E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09	8.21E-10	0.00E+00	0.00E+00	0.00E+00	8.21E-10
2012	380490.12	3734737.69	8.05E-09	0.00E+00	0.00E+00	0.00E+00	8.05E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09	8.25E-10	0.00E+00	0.00E+00	0.00E+00	8.25E-10
2013	380500.12	3734737.69	8.09E-09	0.00E+00	0.00E+00	0.00E+00	8.09E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09	8.29E-10	0.00E+00	0.00E+00	0.00E+00	8.29E-10
2014	380510.12	3734737.69	8.13E-09	0.00E+00	0.00E+00	0.00E+00	8.13E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09	8.33E-10	0.00E+00	0.00E+00	0.00E+00	8.33E-10
2015	380520.12	3734737.69	8.17E-09	0.00E+00	0.00E+00	0.00E+00	8.17E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09	8.37E-10	0.00E+00	0.00E+00	0.00E+00	8.37E-10
2016	380530.12	3734737.69	8.21E-09	0.00E+00	0.00E+00	0.00E+00	8.21E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09	8.41E-10	0.00E+00	0.00E+00	0.00E+00	8.41E-10
2017	380540.12	3734737.69	8.25E-09	0.00E+00	0.00E+00	0.00E+00	8.25E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09	8.45E-10	0.00E+00	0.00E+00	0.00E+00	8.45E-10
2018	380550.12	3734737.69	8.29E-09	0.00E+00	0.00E+00	0.00E+00	8.29E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09	8.49E-10	0.00E+00	0.00E+00	0.00E+00	8.49E-10
2019	380560.12	3734737.69	8.33E-09	0.00E+00	0.00E+00	0.00E+00	8.33E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09	8.53E-10	0.00E+00	0.00E+00	0.00E+00	8.53E-10
2020	380570.12	3734737.69	8.37E-09	0.00E+00	0.00E+00	0.00E+00	8.37E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09	8.57E-10	0.00E+00	0.00E+00	0.00E+00	8.57E-10
2021	380580.12	3734737.69	8.42E-09	0.00E+00	0.00E+00	0.00E+00	8.42E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09	8.62E-10	0.00E+00	0.00E+00	0.00E+00	8.62E-10
2022	380590.12	3734737.69	8.46E-09	0.00E+00	0.00E+00	0.00E+00	8.46E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09	8.67E-10	0.00E+00	0.00E+00	0.00E+00	8.67E-10
2023	380600.12	3734737.69	8.51E-09	0.00E+00	0.00E+00	0.00E+00	8.51E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09	8.72E-10	0.00E+00	0.00E+00	0.00E+00	8.72E-10
2024	380610.12	3734737.69	8.55E-09	0.00E+00	0.00E+00	0.00E+00	8.55E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09	8.76E-10	0.00E+00	0.00E+00	0.00E+00	8.76E-10
2025	380620.12	3734737.69	8.61E-09	0.00E+00	0.00E+00	0.00E+00	8.61E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09	8.81E-10	0.00E+00	0.00E+00	0.00E+00	8.81E-10
2026	380630.12	3734737.69	8.66E-09	0.00E+00	0.00E+00	0.00E+00	8.66E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09	8.87E-10	0.00E+00	0.00E+00	0.00E+00	8.87E-10
2027	380640.12	3734737.69	8.71E-09	0.00E+00	0.00E+00	0.00E+00	8.71E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09	8.92E-10	0.00E+00	0.00E+00	0.00E+00	8.92E-10
2028	380650.12	3734737.69	8.75E-09	0.00E+00	0.00E+00	0.00E+00	8.75E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09	8.96E-10	0.00E+00	0.00E+00	0.00E+00	8.96E-10
2029	380660.12	3734737.69	8.79E-09	0.00E+00	0.00E+00	0.00E+00	8.79E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09	9.00E-10	0.00E+00	0.00E+00	0.00E+00	9.00E-10
2030	380670.12	3734737.69	8.84E-09	0.00E+00	0.00E+00	0.00E+00	8.84E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09	9.06E-10	0.00E+00	0.00E+00	0.00E+00	9.06E-10
2031	380680.12	3734737.69	8.88E-09	0.00E+00	0.00E+00	0.00E+00	8.88E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09	9.10E-10	0.00E+00	0.00E+00	0.00E+00	9.10E-10
2032	380690.12	3734737.69	8.91E-09	0.00E+00	0.00E+00	0.00E+00	8.91E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09	9.12E-10	0.00E+00	0.00E+00	0.00E+00	9.12E-10
2033	380700.12	3734737.69	8.95E-09	0.00E+00	0.00E+00	0.00E+00	8.95E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09	9.16E-10	0.00E+00	0.00E+00	0.00E+00	9.16E-10
2034	380710.12	3734737.69	8.99E-09	0.00E+00	0.00E+00	0.00E+00	8.99E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09	9.21E-10	0.00E+00	0.00E+00	0.00E+00	9.21E-10
2035	380720.12	3734737.69	9.03E-09	0.00E+00	0.00E+00	0.00E+00	9.03E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09	9.25E-10	0.00E+00	0.00E+00	0.00E+00	9.25E-10
2036	380730.12	3734737.69	9.07E-09	0.00E+00	0.00E+00	0.00E+00	9.07E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09	9.29E-10	0.00E+00	0.00E+00	0.00E+00	9.29E-10
2037	380740.12	3734737.69	9.11E-09	0.00E+00	0.00E+00	0.00E+00	9.11E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09	9.33E-10	0.00E+00	0.00E+00	0.00E+00	9.33E-10
2038	380750.12	3734737.69	9.16E-09	0.00E+00	0.00E+00	0.00E+00	9.16E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09	9.38E-10	0.00E+00	0.00E+00	0.00E+00	9.38E-10
2039	380760.12	3734737.69	9.21E-09	0.00E+00	0.00E+00	0.00E+00	9.21E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09	9.43E-10	0.00E+00	0.00E+00	0.00E+00	9.43E-10
2040	380770.12	3734737.69	9.26E-09	0.00E+00	0.00E+00	0.00E+00	9.26E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09	9.49E-10	0.00E+00	0.00E+00	0.00E+00	9.49E-10
2041	380780.12	3734737.69	9.32E-09	0.00E+00	0.00E+00	0.00E+00	9.32E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09	9.54E-10	0.00E+00	0.00E+00	0.00E+00	9.54E-10
2042	380790.12	3734737.69	9.37E-09	0.00E+00	0.00E+00	0.00E+00	9.37E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09	9.60E-10	0.00E+00	0.00E+00	0.00E+00	9.60E-10
2043	380800.12	3734737.69	9.42E-09	0.00E+00	0.00E+00	0.00E+00	9.42E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09	9.65E-10	0.00E+00	0.00E+00	0.00E+00	9.65E-10
2044	380810.12	3734737.69	9.46E-09	0.00E+00	0.00E+00	0.00E+00	9.46E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09	9.69E-10	0.00E+00	0.00E+00	0.00E+00	9.69E-10
2045	380820.12	3734737.69	9.51E-09	0.00E+00	0.00E+00	0.00E+00	9.51E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09	9.74E-10	0.00E+00	0.00E+00	0.00E+00	9.74E-10
2046	380830.12	3734737.69	9.57E-09	0.00E+00	0.00E+00	0.00E+00	9.57E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09	9.80E-10	0.00E+00	0.00E+00	0.00E+00	9.80E-10
2047	380840.12	3734737.69	9.61E-09	0.00E+00	0.00E+00	0.00E+00	9.61E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09	9.84E-10	0.00E+00	0.00E+00	0.00E+00	9.84E-10
2048	380850.12	3734737.69	9.66E-09	0.00E+00	0.00E+00	0.00E+00	9.66E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09	9.89E-10	0.00E+00	0.00E+00	0.00E+00	9.89E-10
2049	380860.12	3734737.69	9.71E-09	0.00E+00	0.00E+00	0.00E+00	9.71E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09	9.95E-10	0.00E+00	0.00E+00	0.00E+00	9.95E-10
2050	380870.12	3734737.69	9.78E-09	0.00E+00	0.00E+00	0.00E+00	9.78E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09	1.00E-09	0.00E+00	0.00E+00	0.00E+00	1.00E-09
2051	380880.12	3734737.69	9.83E-09	0.00E+00	0.00E+00	0.00E+00	9.83E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
2052	380890.12	3734737.69	9.90E-09	0.00E+00	0.00E+00	0.00E+00	9.90E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
2053	380900.12	3734737.69	9.96E-09	0.00E+00	0.00E+00	0.00E+00	9.96E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
2054	380910.12	3734737.69	1.00E-08	0.00E+00	0.00E+00	0.00E+00	1.00E-08	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
2055	380920.12	3734737.69	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
2056	380930.12	3734737.69	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
2057	380940.12	3734737.69	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
2058	380950.12	3734737.69	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
2059	380960.12	3734737.69	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
2060	380970.12	3734737.69	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
2061	380980.12	3734737.69	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
2062	380990.12	3734737.69	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
2063	381000.12	3734737.69	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
2064	381010.12	3734737.69	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
2065	381020.12	3734737.69	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
2066	381030.12	3734737.69	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
2067	381040.12	3734737.69	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
2068	381050.12	3734737.69	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
2069	381060.12	3734737.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
2070	381070.12	3734737.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
2071	381080.12	3734737.69	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
2072	381090.12	3734737.69	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
2073	381100.12	3734737.69	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
2074	381110.12	3734737.69	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
2075	381120.12	3734737.69	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
2076	381130.12	3734737.69	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
2077	381140.12	3734737.69	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
2078	381150.12	3734737.69	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
2079	381160.12	3734737.69	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
2080	381170.12	3734737.69	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
2081	381180.12	3734737.69	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.81E-09	0.00E+00	0.00E+00	0.00E+00	1.81E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
2082	381190.12	3734737.69	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
2083	381200.12	3734737.69	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
2084	381210.12	3734737.69	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
2085	381220.12	3734737.69	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
2086	381230.12	3734737.69	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
2087	381240.12	3734737.69	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
2088	381250.12	3734737.69	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
2089	381260.12	3734737.69	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
2090	381270.12	3734737.69	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
2091	381280.12	3734737.69	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.90E-09	0.00E+00	0.00E+00	0.00E+00	1.90E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
2092	381290.12	3734737.69	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
2093	381300.12	3734737.69	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
2094	381310.12	3734737.69	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
2095	381320.12	3734737.69	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
2096	381330.12	3734737.69	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09

2097	381340.12	3734737.69	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
2098	381350.12	3734737.69	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
2099	381360.12	3734737.69	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
2100	381370.12	3734737.69	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
2101	381380.12	3734737.69	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
2102	381390.12	3734737.69	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
2103	381400.12	3734737.69	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
2104	381410.12	3734737.69	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
2105	381420.12	3734737.69	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
2106	381430.12	3734737.69	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.06E-09	0.00E+00	0.00E+00	0.00E+00	2.06E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
2107	381440.12	3734737.69	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.06E-09	0.00E+00	0.00E+00	0.00E+00	2.06E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
2108	381450.12	3734737.69	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.07E-09	0.00E+00	0.00E+00	0.00E+00	2.07E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
2109	380320.12	3734747.69	7.29E-09	0.00E+00	0.00E+00	0.00E+00	7.29E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09	7.46E-10	0.00E+00	0.00E+00	0.00E+00	7.46E-10
2110	380330.12	3734747.69	7.34E-09	0.00E+00	0.00E+00	0.00E+00	7.34E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09	7.52E-10	0.00E+00	0.00E+00	0.00E+00	7.52E-10
2111	380340.12	3734747.69	7.39E-09	0.00E+00	0.00E+00	0.00E+00	7.39E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09	7.57E-10	0.00E+00	0.00E+00	0.00E+00	7.57E-10
2112	380350.12	3734747.69	7.45E-09	0.00E+00	0.00E+00	0.00E+00	7.45E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09	7.63E-10	0.00E+00	0.00E+00	0.00E+00	7.63E-10
2113	380360.12	3734747.69	7.50E-09	0.00E+00	0.00E+00	0.00E+00	7.50E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09	7.68E-10	0.00E+00	0.00E+00	0.00E+00	7.68E-10
2114	380370.12	3734747.69	7.55E-09	0.00E+00	0.00E+00	0.00E+00	7.55E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09	7.73E-10	0.00E+00	0.00E+00	0.00E+00	7.73E-10
2115	380380.12	3734747.69	7.60E-09	0.00E+00	0.00E+00	0.00E+00	7.60E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09	7.79E-10	0.00E+00	0.00E+00	0.00E+00	7.79E-10
2116	380390.12	3734747.69	7.64E-09	0.00E+00	0.00E+00	0.00E+00	7.64E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09	7.83E-10	0.00E+00	0.00E+00	0.00E+00	7.83E-10
2117	380400.12	3734747.69	7.70E-09	0.00E+00	0.00E+00	0.00E+00	7.70E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09	7.88E-10	0.00E+00	0.00E+00	0.00E+00	7.88E-10
2118	380410.12	3734747.69	7.74E-09	0.00E+00	0.00E+00	0.00E+00	7.74E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09	7.92E-10	0.00E+00	0.00E+00	0.00E+00	7.92E-10
2119	380420.12	3734747.69	7.79E-09	0.00E+00	0.00E+00	0.00E+00	7.79E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09	7.98E-10	0.00E+00	0.00E+00	0.00E+00	7.98E-10
2120	380430.12	3734747.69	7.83E-09	0.00E+00	0.00E+00	0.00E+00	7.83E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09	8.02E-10	0.00E+00	0.00E+00	0.00E+00	8.02E-10
2121	380440.12	3734747.69	7.87E-09	0.00E+00	0.00E+00	0.00E+00	7.87E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09	8.06E-10	0.00E+00	0.00E+00	0.00E+00	8.06E-10
2122	380450.12	3734747.69	7.92E-09	0.00E+00	0.00E+00	0.00E+00	7.92E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09	8.11E-10	0.00E+00	0.00E+00	0.00E+00	8.11E-10
2123	380460.12	3734747.69	7.96E-09	0.00E+00	0.00E+00	0.00E+00	7.96E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09	8.15E-10	0.00E+00	0.00E+00	0.00E+00	8.15E-10
2124	380470.12	3734747.69	8.01E-09	0.00E+00	0.00E+00	0.00E+00	8.01E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09	8.21E-10	0.00E+00	0.00E+00	0.00E+00	8.21E-10
2125	380480.12	3734747.69	8.05E-09	0.00E+00	0.00E+00	0.00E+00	8.05E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09	8.25E-10	0.00E+00	0.00E+00	0.00E+00	8.25E-10
2126	380490.12	3734747.69	8.09E-09	0.00E+00	0.00E+00	0.00E+00	8.09E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09	8.29E-10	0.00E+00	0.00E+00	0.00E+00	8.29E-10
2127	380500.12	3734747.69	8.13E-09	0.00E+00	0.00E+00	0.00E+00	8.13E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09	8.33E-10	0.00E+00	0.00E+00	0.00E+00	8.33E-10
2128	380510.12	3734747.69	8.17E-09	0.00E+00	0.00E+00	0.00E+00	8.17E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09	8.37E-10	0.00E+00	0.00E+00	0.00E+00	8.37E-10
2129	380520.12	3734747.69	8.21E-09	0.00E+00	0.00E+00	0.00E+00	8.21E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09	8.41E-10	0.00E+00	0.00E+00	0.00E+00	8.41E-10
2130	380530.12	3734747.69	8.25E-09	0.00E+00	0.00E+00	0.00E+00	8.25E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09	8.45E-10	0.00E+00	0.00E+00	0.00E+00	8.45E-10
2131	380540.12	3734747.69	8.29E-09	0.00E+00	0.00E+00	0.00E+00	8.29E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09	8.49E-10	0.00E+00	0.00E+00	0.00E+00	8.49E-10
2132	380550.12	3734747.69	8.33E-09	0.00E+00	0.00E+00	0.00E+00	8.33E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09	8.53E-10	0.00E+00	0.00E+00	0.00E+00	8.53E-10
2133	380560.12	3734747.69	8.38E-09	0.00E+00	0.00E+00	0.00E+00	8.38E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09	8.58E-10	0.00E+00	0.00E+00	0.00E+00	8.58E-10
2134	380570.12	3734747.69	8.42E-09	0.00E+00	0.00E+00	0.00E+00	8.42E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09	8.62E-10	0.00E+00	0.00E+00	0.00E+00	8.62E-10
2135	380580.12	3734747.69	8.47E-09	0.00E+00	0.00E+00	0.00E+00	8.47E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09	8.68E-10	0.00E+00	0.00E+00	0.00E+00	8.68E-10
2136	380590.12	3734747.69	8.51E-09	0.00E+00	0.00E+00	0.00E+00	8.51E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09	8.72E-10	0.00E+00	0.00E+00	0.00E+00	8.72E-10
2137	380600.12	3734747.69	8.57E-09	0.00E+00	0.00E+00	0.00E+00	8.57E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09	8.77E-10	0.00E+00	0.00E+00	0.00E+00	8.77E-10
2138	380610.12	3734747.69	8.61E-09	0.00E+00	0.00E+00	0.00E+00	8.61E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09	8.81E-10	0.00E+00	0.00E+00	0.00E+00	8.81E-10
2139	380620.12	3734747.69	8.66E-09	0.00E+00	0.00E+00	0.00E+00	8.66E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09	8.87E-10	0.00E+00	0.00E+00	0.00E+00	8.87E-10
2140	380630.12	3734747.69	8.71E-09	0.00E+00	0.00E+00	0.00E+00	8.71E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09	8.92E-10	0.00E+00	0.00E+00	0.00E+00	8.92E-10
2141	380640.12	3734747.69	8.75E-09	0.00E+00	0.00E+00	0.00E+00	8.75E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09	8.96E-10	0.00E+00	0.00E+00	0.00E+00	8.96E-10
2142	380650.12	3734747.69	8.80E-09	0.00E+00	0.00E+00	0.00E+00	8.80E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09	9.02E-10	0.00E+00	0.00E+00	0.00E+00	9.02E-10
2143	380660.12	3734747.69	8.84E-09	0.00E+00	0.00E+00	0.00E+00	8.84E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09	9.06E-10	0.00E+00	0.00E+00	0.00E+00	9.06E-10
2144	380670.12	3734747.69	8.89E-09	0.00E+00	0.00E+00	0.00E+00	8.89E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09	9.11E-10	0.00E+00	0.00E+00	0.00E+00	9.11E-10
2145	380680.12	3734747.69	8.93E-09	0.00E+00	0.00E+00	0.00E+00	8.93E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09	9.15E-10	0.00E+00	0.00E+00	0.00E+00	9.15E-10
2146	380690.12	3734747.69	8.97E-09	0.00E+00	0.00E+00	0.00E+00	8.97E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09	9.19E-10	0.00E+00	0.00E+00	0.00E+00	9.19E-10
2147	380700.12	3734747.69	9.01E-09	0.00E+00	0.00E+00	0.00E+00	9.01E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09	9.23E-10	0.00E+00	0.00E+00	0.00E+00	9.23E-10
2148	380710.12	3734747.69	9.05E-09	0.00E+00	0.00E+00	0.00E+00	9.05E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09	9.27E-10	0.00E+00	0.00E+00	0.00E+00	9.27E-10
2149	380720.12	3734747.69	9.09E-09	0.00E+00	0.00E+00	0.00E+00	9.09E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09	9.31E-10	0.00E+00	0.00E+00	0.00E+00	9.31E-10
2150	380730.12	3734747.69	9.13E-09	0.00E+00	0.00E+00	0.00E+00	9.13E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09	9.35E-10	0.00E+00	0.00E+00	0.00E+00	9.35E-10
2151	380740.12	3734747.69	9.17E-09	0.00E+00	0.00E+00	0.00E+00	9.17E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09	9.39E-10	0.00E+00	0.00E+00	0.00E+00	9.39E-10
2152	380750.12	3734747.69	9.22E-09	0.00E+00	0.00E+00	0.00E+00	9.22E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09	9.45E-10	0.00E+00	0.00E+00	0.00E+00	9.45E-10
2153	380760.12	3734747.69	9.28E-09	0.00E+00	0.00E+00	0.00E+00	9.28E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09	9.50E-10	0.00E+00	0.00E+00	0.00E+00	9.50E-10
2154	380770.12	3734747.69	9.33E-09	0.00E+00	0.00E+00	0.00E+00	9.33E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09	9.56E-10	0.00E+00	0.00E+00	0.00E+00	9.56E-10
2155	380780.12	3734747.69	9.38E-09	0.00E+00	0.00E+00	0.00E+00	9.38E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09	9.61E-10	0.00E+00	0.00E+00	0.00E+00	9.61E-10
2156	380790.12	3734747.69	9.44E-09	0.00E+00	0.00E+00	0.00E+00	9.44E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09	9.66E-10	0.00E+00	0.00E+00	0.00E+00	9.66E-10
2157	380800.12	3734747.69	9.49E-09	0.00E+00	0.00E+00	0.00E+00	9.49E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09	9.72E-10	0.00E+00	0.00E+00	0.00E+00	9.72E-10
2158	380810.12	3734747.69	9.53E-09	0.00E+00	0.00E+00	0.00E+00	9.53E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09	9.76E-10	0.00E+00	0.00E+00	0.00E+00	9.76E-10
2159	380820.12	3734747.69	9.58E-09	0.00E+00	0.00E+00	0.00E+00	9.58E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09	9.81E-10	0.00E+00	0.00E+00	0.00E+00	9.81E-10
2160	380830.12	3734747.69	9.63E-09	0.00E+00	0.00E+00	0.00E+00	9.63E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09	9.87E-10	0.00E+00	0.00E+00	0.00E+00	9.87E-10
2161	380840.12	3734747.69	9.69E-09	0.00E+00	0.00E+00	0.00E+00	9.69E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09	9.92E-10	0.00E+00	0.00E+00	0.00E+00	9.92E-10
2162	380850.12	3734747.69	9.74E-09	0.00E+00	0.00E+00	0.00E+00	9.74E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09	9.97E-10	0.00E+00	0.00E+00	0.00E+00	9.97E-10
2163	380860.12	3734747.69	9.79E-09	0.00E+00	0.00E+00	0.00E+00	9.79E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09	1.00E-09	0.00E+00	0.00E+00	0.00E+00	1.00E-09
2164	380870.12	3734747.69	9.84E-09	0.00E+00	0.00E+00	0.00E+00	9.84E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
2165	380880.12	3734747.69	9.91E-09	0.00E+00	0.00E+00	0.00E+00	9.91E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
2166	380890.12	3734747.69	9.98E-09	0.00E+00	0.00E+00	0.00E+00	9.98E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
2167	380900.12	3734747.69	1.00E-08	0.00E+00	0.00E+00	0.00E+00	1.00E-08	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
2168	380910.12	3734747.69	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
2169	380920.12	3734747.69	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
2170	380930.12	3734747.69	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
2171	380940.12	3734747.69	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
2172	380950.12	3734747.69	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
2173	380960.12	3734747.69	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
2174	380970.12	3734747.69	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
2175	380980.12	3734747.69	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
2176	380990.12	3734747.69	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
2177	381000.12	3734747.69	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
2178	381010.12	3734747.69	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
2179	381020.12	3734747.69	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
2180	381030.12	3734747.69	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
2181	381040.12	3734747.69	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
2182	381050.12	3734747.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
2183	381060.12	3734747.69	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
2184	381070.12	3734747.69	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
2185	381080.12	3734747.69	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
2186	381090.12	3734747.69	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
2187	381100.12	3734747.69	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
2188	381110.12	3734747.69	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
2189	381120.12	3734747.69	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
2190	381130.12	3734747.69	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
2191	381140.12	3734747.69	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
2192	381150.12	3734747.69	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
2193	381160.12	3734747.69	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.81E-09	0.00E+00	0.00E+00	0.00E+00	1.81E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
2194	381170.12	3734747.69	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.81E-09	0.00E+00	0.00E+00	0.00E+00	1.81E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
2195	381180.12	3734747.69	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
2196	381190.12	3734747.69	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
2197	381200.12	3734747.69	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
2198	381210.12	3734747.69	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
2199	381220.12	3734747.69	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
2200	381230.12	3734747.69	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
2201	381240.12	3734747.69	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09

2202	381250.12	3734747.69	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
2203	381260.12	3734747.69	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
2204	381270.12	3734747.69	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.90E-09	0.00E+00	0.00E+00	0.00E+00	1.90E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
2205	381280.12	3734747.69	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
2206	381290.12	3734747.69	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
2207	381300.12	3734747.69	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
2208	381310.12	3734747.69	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
2209	381320.12	3734747.69	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
2210	381330.12	3734747.69	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
2211	381340.12	3734747.69	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
2212	381350.12	3734747.69	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
2213	381360.12	3734747.69	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
2214	381370.12	3734747.69	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
2215	381380.12	3734747.69	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
2216	381390.12	3734747.69	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.03E-09	0.00E+00	0.00E+00	0.00E+00	2.03E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
2217	381400.12	3734747.69	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
2218	381410.12	3734747.69	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
2219	381420.12	3734747.69	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.07E-09	0.00E+00	0.00E+00	0.00E+00	2.07E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
2220	381430.12	3734747.69	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.07E-09	0.00E+00	0.00E+00	0.00E+00	2.07E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
2221	381440.12	3734747.69	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.08E-09	0.00E+00	0.00E+00	0.00E+00	2.08E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
2222	381450.12	3734747.69	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.09E-09	0.00E+00	0.00E+00	0.00E+00	2.09E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
2223	380320.12	3734757.69	7.33E-09	0.00E+00	0.00E+00	0.00E+00	7.33E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09	7.50E-10	0.00E+00	0.00E+00	0.00E+00	7.50E-10
2224	380330.12	3734757.69	7.37E-09	0.00E+00	0.00E+00	0.00E+00	7.37E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09	7.54E-10	0.00E+00	0.00E+00	0.00E+00	7.54E-10
2225	380340.12	3734757.69	7.42E-09	0.00E+00	0.00E+00	0.00E+00	7.42E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09	7.60E-10	0.00E+00	0.00E+00	0.00E+00	7.60E-10
2226	380350.12	3734757.69	7.47E-09	0.00E+00	0.00E+00	0.00E+00	7.47E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09	7.65E-10	0.00E+00	0.00E+00	0.00E+00	7.65E-10
2227	380360.12	3734757.69	7.54E-09	0.00E+00	0.00E+00	0.00E+00	7.54E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09	7.72E-10	0.00E+00	0.00E+00	0.00E+00	7.72E-10
2228	380370.12	3734757.69	7.59E-09	0.00E+00	0.00E+00	0.00E+00	7.59E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09	7.77E-10	0.00E+00	0.00E+00	0.00E+00	7.77E-10
2229	380380.12	3734757.69	7.63E-09	0.00E+00	0.00E+00	0.00E+00	7.63E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09	7.81E-10	0.00E+00	0.00E+00	0.00E+00	7.81E-10
2230	380390.12	3734757.69	7.68E-09	0.00E+00	0.00E+00	0.00E+00	7.68E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09	7.87E-10	0.00E+00	0.00E+00	0.00E+00	7.87E-10
2231	380400.12	3734757.69	7.74E-09	0.00E+00	0.00E+00	0.00E+00	7.74E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09	7.92E-10	0.00E+00	0.00E+00	0.00E+00	7.92E-10
2232	380410.12	3734757.69	7.77E-09	0.00E+00	0.00E+00	0.00E+00	7.77E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09	7.96E-10	0.00E+00	0.00E+00	0.00E+00	7.96E-10
2233	380420.12	3734757.69	7.83E-09	0.00E+00	0.00E+00	0.00E+00	7.83E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09	8.02E-10	0.00E+00	0.00E+00	0.00E+00	8.02E-10
2234	380430.12	3734757.69	7.87E-09	0.00E+00	0.00E+00	0.00E+00	7.87E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09	8.06E-10	0.00E+00	0.00E+00	0.00E+00	8.06E-10
2235	380440.12	3734757.69	7.91E-09	0.00E+00	0.00E+00	0.00E+00	7.91E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09	8.10E-10	0.00E+00	0.00E+00	0.00E+00	8.10E-10
2236	380450.12	3734757.69	7.96E-09	0.00E+00	0.00E+00	0.00E+00	7.96E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09	8.15E-10	0.00E+00	0.00E+00	0.00E+00	8.15E-10
2237	380460.12	3734757.69	8.01E-09	0.00E+00	0.00E+00	0.00E+00	8.01E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09	8.21E-10	0.00E+00	0.00E+00	0.00E+00	8.21E-10
2238	380470.12	3734757.69	8.05E-09	0.00E+00	0.00E+00	0.00E+00	8.05E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09	8.25E-10	0.00E+00	0.00E+00	0.00E+00	8.25E-10
2239	380480.12	3734757.69	8.10E-09	0.00E+00	0.00E+00	0.00E+00	8.10E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09	8.30E-10	0.00E+00	0.00E+00	0.00E+00	8.30E-10
2240	380490.12	3734757.69	8.14E-09	0.00E+00	0.00E+00	0.00E+00	8.14E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09	8.34E-10	0.00E+00	0.00E+00	0.00E+00	8.34E-10
2241	380500.12	3734757.69	8.18E-09	0.00E+00	0.00E+00	0.00E+00	8.18E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09	8.38E-10	0.00E+00	0.00E+00	0.00E+00	8.38E-10
2242	380510.12	3734757.69	8.22E-09	0.00E+00	0.00E+00	0.00E+00	8.22E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09	8.42E-10	0.00E+00	0.00E+00	0.00E+00	8.42E-10
2243	380520.12	3734757.69	8.26E-09	0.00E+00	0.00E+00	0.00E+00	8.26E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09	8.46E-10	0.00E+00	0.00E+00	0.00E+00	8.46E-10
2244	380530.12	3734757.69	8.30E-09	0.00E+00	0.00E+00	0.00E+00	8.30E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09	8.50E-10	0.00E+00	0.00E+00	0.00E+00	8.50E-10
2245	380540.12	3734757.69	8.34E-09	0.00E+00	0.00E+00	0.00E+00	8.34E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09	8.54E-10	0.00E+00	0.00E+00	0.00E+00	8.54E-10
2246	380550.12	3734757.69	8.38E-09	0.00E+00	0.00E+00	0.00E+00	8.38E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09	8.58E-10	0.00E+00	0.00E+00	0.00E+00	8.58E-10
2247	380560.12	3734757.69	8.43E-09	0.00E+00	0.00E+00	0.00E+00	8.43E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09	8.64E-10	0.00E+00	0.00E+00	0.00E+00	8.64E-10
2248	380570.12	3734757.69	8.47E-09	0.00E+00	0.00E+00	0.00E+00	8.47E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09	8.68E-10	0.00E+00	0.00E+00	0.00E+00	8.68E-10
2249	380580.12	3734757.69	8.53E-09	0.00E+00	0.00E+00	0.00E+00	8.53E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09	8.73E-10	0.00E+00	0.00E+00	0.00E+00	8.73E-10
2250	380590.12	3734757.69	8.57E-09	0.00E+00	0.00E+00	0.00E+00	8.57E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09	8.77E-10	0.00E+00	0.00E+00	0.00E+00	8.77E-10
2251	380600.12	3734757.69	8.62E-09	0.00E+00	0.00E+00	0.00E+00	8.62E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09	8.83E-10	0.00E+00	0.00E+00	0.00E+00	8.83E-10
2252	380610.12	3734757.69	8.67E-09	0.00E+00	0.00E+00	0.00E+00	8.67E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09	8.88E-10	0.00E+00	0.00E+00	0.00E+00	8.88E-10
2253	380620.12	3734757.69	8.71E-09	0.00E+00	0.00E+00	0.00E+00	8.71E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09	8.92E-10	0.00E+00	0.00E+00	0.00E+00	8.92E-10
2254	380630.12	3734757.69	8.75E-09	0.00E+00	0.00E+00	0.00E+00	8.75E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09	8.96E-10	0.00E+00	0.00E+00	0.00E+00	8.96E-10
2255	380640.12	3734757.69	8.80E-09	0.00E+00	0.00E+00	0.00E+00	8.80E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09	9.02E-10	0.00E+00	0.00E+00	0.00E+00	9.02E-10
2256	380650.12	3734757.69	8.84E-09	0.00E+00	0.00E+00	0.00E+00	8.84E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09	9.06E-10	0.00E+00	0.00E+00	0.00E+00	9.06E-10
2257	380660.12	3734757.69	8.89E-09	0.00E+00	0.00E+00	0.00E+00	8.89E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09	9.11E-10	0.00E+00	0.00E+00	0.00E+00	9.11E-10
2258	380670.12	3734757.69	8.93E-09	0.00E+00	0.00E+00	0.00E+00	8.93E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09	9.15E-10	0.00E+00	0.00E+00	0.00E+00	9.15E-10
2259	380680.12	3734757.69	8.99E-09	0.00E+00	0.00E+00	0.00E+00	8.99E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09	9.21E-10	0.00E+00	0.00E+00	0.00E+00	9.21E-10
2260	380690.12	3734757.69	9.03E-09	0.00E+00	0.00E+00	0.00E+00	9.03E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09	9.25E-10	0.00E+00	0.00E+00	0.00E+00	9.25E-10
2261	380700.12	3734757.69	9.08E-09	0.00E+00	0.00E+00	0.00E+00	9.08E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09	9.30E-10	0.00E+00	0.00E+00	0.00E+00	9.30E-10
2262	380710.12	3734757.69	9.12E-09	0.00E+00	0.00E+00	0.00E+00	9.12E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09	9.34E-10	0.00E+00	0.00E+00	0.00E+00	9.34E-10
2263	380720.12	3734757.69	9.16E-09	0.00E+00	0.00E+00	0.00E+00	9.16E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09	9.38E-10	0.00E+00	0.00E+00	0.00E+00	9.38E-10
2264	380730.12	3734757.69	9.20E-09	0.00E+00	0.00E+00	0.00E+00	9.20E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09	9.42E-10	0.00E+00	0.00E+00	0.00E+00	9.42E-10
2265	380740.12	3734757.69	9.24E-09	0.00E+00	0.00E+00	0.00E+00	9.24E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09	9.46E-10	0.00E+00	0.00E+00	0.00E+00	9.46E-10
2266	380750.12	3734757.69	9.29E-09	0.00E+00	0.00E+00	0.00E+00	9.29E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09	9.52E-10	0.00E+00	0.00E+00	0.00E+00	9.52E-10
2267	380760.12	3734757.69	9.34E-09	0.00E+00	0.00E+00	0.00E+00	9.34E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09	9.57E-10	0.00E+00	0.00E+00	0.00E+00	9.57E-10
2268	380770.12	3734757.69	9.40E-09	0.00E+00	0.00E+00	0.00E+00	9.40E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09	9.62E-10	0.00E+00	0.00E+00	0.00E+00	9.62E-10
2269	380780.12	3734757.69	9.45E-09	0.00E+00	0.00E+00	0.00E+00	9.45E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09	9.68E-10	0.00E+00	0.00E+00	0.00E+00	9.68E-10
2270	380790.12	3734757.69	9.50E-09	0.00E+00	0.00E+00	0.00E+00	9.50E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09	9.73E-10	0.00E+00	0.00E+00	0.00E+00	9.73E-10
2271	380800.12	3734757.69	9.55E-09	0.00E+00	0.00E+00	0.00E+00	9.55E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09	9.79E-10	0.00E+00	0.00E+00	0.00E+00	9.79E-10
2272	380810.12	3734757.69	9.59E-09	0.00E+00	0.00E+00	0.00E+00	9.59E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09	9.83E-10	0.00E+00	0.00E+00	0.00E+00	9.83E-10
2273	380820.12	3734757.69	9.65E-09	0.00E+00	0.00E+00	0.00E+00	9.65E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09	9.88E-10	0.00E+00	0.00E+00	0.00E+00	9.88E-10
2274	380830.12	3734757.69	9.70E-09	0.00E+00	0.00E+00	0.00E+00	9.70E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09	9.93E-10	0.00E+00	0.00E+00	0.00E+00	9.93E-10
2275	380840.12	3734757.69	9.75E-09	0.00E+00	0.00E+00	0.00E+00	9.75E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09	9.99E-10	0.00E+00	0.00E+00	0.00E+00	9.99E-10
2276	380850.12	3734757.69	9.82E-09	0.00E+00	0.00E+00	0.00E+00	9.82E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
2277	380860.12	3734757.69	9.87E-09	0.00E+00	0.00E+00	0.00E+00	9.87E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
2278	380870.12	3734757.69	9.92E-09	0.00E+00	0.00E+00	0.00E+00	9.92E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
2279	380880.12	3734757.69	9.99E-09	0.00E+00	0.00E+00	0.00E+00	9.99E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
2280	380890.12	3734757.69	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
2281	380900.12	3734757.69	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
2282	380910.12	3734757.69	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
2283	380920.12	3734757.69	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
2284	380930.12	3734757.69	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
2285	380940.12	3734757.69	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
2286	380950.12	3734757.69	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
2287	380960.12	3734757.69	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
2288	380970.12	3734757.69	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
2289	380980.12	3734757.69	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
2290	380990.12	3734757.69	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
2291	381000.12	3734757.69	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
2292	381010.12	3734757.69	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
2293	381020.12	3734757.69	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
2294	381030.12	3734757.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
2295	381040.12	3734757.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
2296	381050.12	3734757.69	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
2297	381060.12	3734757.69	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
2298	381070.12	3734757.69	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
2299	381080.12	3734757.69	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
2300	381090.12	3734757.69	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
2301	381100.12	3734757.69	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
2302	381110.12	3734757.69	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
2303	381120.12	3734757.69	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
2304	381130.12	3734757.69	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
2305	381140.12	3734757.69	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
2306	381150.12	3734757.69	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.81E-09	0.00E+00	0.00E+00	0.00E+00	1.81E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09

2307	381160.12	3734757.69	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
2308	381170.12	3734757.69	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
2309	381180.12	3734757.69	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
2310	381190.12	3734757.69	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
2311	381200.12	3734757.69	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
2312	381210.12	3734757.69	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
2313	381220.12	3734757.69	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
2314	381230.12	3734757.69	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
2315	381240.12	3734757.69	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
2316	381250.12	3734757.69	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.90E-09	0.00E+00	0.00E+00	0.00E+00	1.90E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
2317	381260.12	3734757.69	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
2318	381270.12	3734757.69	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
2319	381280.12	3734757.69	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
2320	381290.12	3734757.69	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
2321	381300.12	3734757.69	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
2322	381310.12	3734757.69	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
2323	381320.12	3734757.69	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
2324	381330.12	3734757.69	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
2325	381340.12	3734757.69	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
2326	381350.12	3734757.69	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
2327	381360.12	3734757.69	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
2328	381370.12	3734757.69	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
2329	381380.12	3734757.69	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.03E-09	0.00E+00	0.00E+00	0.00E+00	2.03E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
2330	381390.12	3734757.69	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
2331	381400.12	3734757.69	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.06E-09	0.00E+00	0.00E+00	0.00E+00	2.06E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
2332	381410.12	3734757.69	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.07E-09	0.00E+00	0.00E+00	0.00E+00	2.07E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
2333	381420.12	3734757.69	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.08E-09	0.00E+00	0.00E+00	0.00E+00	2.08E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
2334	381430.12	3734757.69	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.09E-09	0.00E+00	0.00E+00	0.00E+00	2.09E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
2335	381440.12	3734757.69	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.10E-09	0.00E+00	0.00E+00	0.00E+00	2.10E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
2336	381450.12	3734757.69	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.10E-09	0.00E+00	0.00E+00	0.00E+00	2.10E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09
2337	380320.12	3734767.69	7.35E-09	0.00E+00	0.00E+00	0.00E+00	7.35E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09	7.53E-10	0.00E+00	0.00E+00	0.00E+00	7.53E-10
2338	380330.12	3734767.69	7.41E-09	0.00E+00	0.00E+00	0.00E+00	7.41E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09	7.59E-10	0.00E+00	0.00E+00	0.00E+00	7.59E-10
2339	380340.12	3734767.69	7.46E-09	0.00E+00	0.00E+00	0.00E+00	7.46E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09	7.64E-10	0.00E+00	0.00E+00	0.00E+00	7.64E-10
2340	380350.12	3734767.69	7.51E-09	0.00E+00	0.00E+00	0.00E+00	7.51E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09	7.69E-10	0.00E+00	0.00E+00	0.00E+00	7.69E-10
2341	380360.12	3734767.69	7.56E-09	0.00E+00	0.00E+00	0.00E+00	7.56E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09	7.75E-10	0.00E+00	0.00E+00	0.00E+00	7.75E-10
2342	380370.12	3734767.69	7.62E-09	0.00E+00	0.00E+00	0.00E+00	7.62E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09	7.80E-10	0.00E+00	0.00E+00	0.00E+00	7.80E-10
2343	380380.12	3734767.69	7.67E-09	0.00E+00	0.00E+00	0.00E+00	7.67E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09	7.86E-10	0.00E+00	0.00E+00	0.00E+00	7.86E-10
2344	380390.12	3734767.69	7.72E-09	0.00E+00	0.00E+00	0.00E+00	7.72E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09	7.91E-10	0.00E+00	0.00E+00	0.00E+00	7.91E-10
2345	380400.12	3734767.69	7.77E-09	0.00E+00	0.00E+00	0.00E+00	7.77E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09	7.96E-10	0.00E+00	0.00E+00	0.00E+00	7.96E-10
2346	380410.12	3734767.69	7.81E-09	0.00E+00	0.00E+00	0.00E+00	7.81E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09	8.00E-10	0.00E+00	0.00E+00	0.00E+00	8.00E-10
2347	380420.12	3734767.69	7.87E-09	0.00E+00	0.00E+00	0.00E+00	7.87E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09	8.06E-10	0.00E+00	0.00E+00	0.00E+00	8.06E-10
2348	380430.12	3734767.69	7.91E-09	0.00E+00	0.00E+00	0.00E+00	7.91E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09	8.10E-10	0.00E+00	0.00E+00	0.00E+00	8.10E-10
2349	380440.12	3734767.69	7.96E-09	0.00E+00	0.00E+00	0.00E+00	7.96E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09	8.15E-10	0.00E+00	0.00E+00	0.00E+00	8.15E-10
2350	380450.12	3734767.69	8.00E-09	0.00E+00	0.00E+00	0.00E+00	8.00E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09	8.19E-10	0.00E+00	0.00E+00	0.00E+00	8.19E-10
2351	380460.12	3734767.69	8.05E-09	0.00E+00	0.00E+00	0.00E+00	8.05E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09	8.25E-10	0.00E+00	0.00E+00	0.00E+00	8.25E-10
2352	380470.12	3734767.69	8.10E-09	0.00E+00	0.00E+00	0.00E+00	8.10E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09	8.30E-10	0.00E+00	0.00E+00	0.00E+00	8.30E-10
2353	380480.12	3734767.69	8.14E-09	0.00E+00	0.00E+00	0.00E+00	8.14E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09	8.34E-10	0.00E+00	0.00E+00	0.00E+00	8.34E-10
2354	380490.12	3734767.69	8.20E-09	0.00E+00	0.00E+00	0.00E+00	8.20E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09	8.40E-10	0.00E+00	0.00E+00	0.00E+00	8.40E-10
2355	380500.12	3734767.69	8.24E-09	0.00E+00	0.00E+00	0.00E+00	8.24E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09	8.44E-10	0.00E+00	0.00E+00	0.00E+00	8.44E-10
2356	380510.12	3734767.69	8.28E-09	0.00E+00	0.00E+00	0.00E+00	8.28E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09	8.48E-10	0.00E+00	0.00E+00	0.00E+00	8.48E-10
2357	380520.12	3734767.69	8.32E-09	0.00E+00	0.00E+00	0.00E+00	8.32E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09	8.52E-10	0.00E+00	0.00E+00	0.00E+00	8.52E-10
2358	380530.12	3734767.69	8.35E-09	0.00E+00	0.00E+00	0.00E+00	8.35E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09	8.56E-10	0.00E+00	0.00E+00	0.00E+00	8.56E-10
2359	380540.12	3734767.69	8.39E-09	0.00E+00	0.00E+00	0.00E+00	8.39E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09	8.60E-10	0.00E+00	0.00E+00	0.00E+00	8.60E-10
2360	380550.12	3734767.69	8.43E-09	0.00E+00	0.00E+00	0.00E+00	8.43E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09	8.64E-10	0.00E+00	0.00E+00	0.00E+00	8.64E-10
2361	380560.12	3734767.69	8.47E-09	0.00E+00	0.00E+00	0.00E+00	8.47E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09	8.68E-10	0.00E+00	0.00E+00	0.00E+00	8.68E-10
2362	380570.12	3734767.69	8.53E-09	0.00E+00	0.00E+00	0.00E+00	8.53E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09	8.73E-10	0.00E+00	0.00E+00	0.00E+00	8.73E-10
2363	380580.12	3734767.69	8.58E-09	0.00E+00	0.00E+00	0.00E+00	8.58E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09	8.79E-10	0.00E+00	0.00E+00	0.00E+00	8.79E-10
2364	380590.12	3734767.69	8.62E-09	0.00E+00	0.00E+00	0.00E+00	8.62E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09	8.83E-10	0.00E+00	0.00E+00	0.00E+00	8.83E-10
2365	380600.12	3734767.69	8.67E-09	0.00E+00	0.00E+00	0.00E+00	8.67E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09	8.88E-10	0.00E+00	0.00E+00	0.00E+00	8.88E-10
2366	380610.12	3734767.69	8.72E-09	0.00E+00	0.00E+00	0.00E+00	8.72E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09	8.94E-10	0.00E+00	0.00E+00	0.00E+00	8.94E-10
2367	380620.12	3734767.69	8.76E-09	0.00E+00	0.00E+00	0.00E+00	8.76E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09	8.98E-10	0.00E+00	0.00E+00	0.00E+00	8.98E-10
2368	380630.12	3734767.69	8.80E-09	0.00E+00	0.00E+00	0.00E+00	8.80E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09	9.02E-10	0.00E+00	0.00E+00	0.00E+00	9.02E-10
2369	380640.12	3734767.69	8.84E-09	0.00E+00	0.00E+00	0.00E+00	8.84E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09	9.06E-10	0.00E+00	0.00E+00	0.00E+00	9.06E-10
2370	380650.12	3734767.69	8.89E-09	0.00E+00	0.00E+00	0.00E+00	8.89E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09	9.11E-10	0.00E+00	0.00E+00	0.00E+00	9.11E-10
2371	380660.12	3734767.69	8.95E-09	0.00E+00	0.00E+00	0.00E+00	8.95E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09	9.16E-10	0.00E+00	0.00E+00	0.00E+00	9.16E-10
2372	380670.12	3734767.69	8.99E-09	0.00E+00	0.00E+00	0.00E+00	8.99E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09	9.21E-10	0.00E+00	0.00E+00	0.00E+00	9.21E-10
2373	380680.12	3734767.69	9.04E-09	0.00E+00	0.00E+00	0.00E+00	9.04E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09	9.26E-10	0.00E+00	0.00E+00	0.00E+00	9.26E-10
2374	380690.12	3734767.69	9.09E-09	0.00E+00	0.00E+00	0.00E+00	9.09E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09	9.31E-10	0.00E+00	0.00E+00	0.00E+00	9.31E-10
2375	380700.12	3734767.69	9.13E-09	0.00E+00	0.00E+00	0.00E+00	9.13E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09	9.35E-10	0.00E+00	0.00E+00	0.00E+00	9.35E-10
2376	380710.12	3734767.69	9.17E-09	0.00E+00	0.00E+00	0.00E+00	9.17E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09	9.39E-10	0.00E+00	0.00E+00	0.00E+00	9.39E-10
2377	380720.12	3734767.69	9.22E-09	0.00E+00	0.00E+00	0.00E+00	9.22E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09	9.45E-10	0.00E+00	0.00E+00	0.00E+00	9.45E-10
2378	380730.12	3734767.69	9.26E-09	0.00E+00	0.00E+00	0.00E+00	9.26E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09	9.49E-10	0.00E+00	0.00E+00	0.00E+00	9.49E-10
2379	380740.12	3734767.69	9.30E-09	0.00E+00	0.00E+00	0.00E+00	9.30E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09	9.53E-10	0.00E+00	0.00E+00	0.00E+00	9.53E-10
2380	380750.12	3734767.69	9.36E-09	0.00E+00	0.00E+00	0.00E+00	9.36E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09	9.58E-10	0.00E+00	0.00E+00	0.00E+00	9.58E-10
2381	380760.12	3734767.69	9.41E-09	0.00E+00	0.00E+00	0.00E+00	9.41E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09	9.64E-10	0.00E+00	0.00E+00	0.00E+00	9.64E-10
2382	380770.12	3734767.69	9.45E-09	0.00E+00	0.00E+00	0.00E+00	9.45E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09	9.68E-10	0.00E+00	0.00E+00	0.00E+00	9.68E-10
2383	380780.12	3734767.69	9.50E-09	0.00E+00	0.00E+00	0.00E+00	9.50E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09	9.73E-10	0.00E+00	0.00E+00	0.00E+00	9.73E-10
2384	380790.12	3734767.69	9.55E-09	0.00E+00	0.00E+00	0.00E+00	9.55E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09	9.79E-10	0.00E+00	0.00E+00	0.00E+00	9.79E-10
2385	380800.12	3734767.69	9.61E-09	0.00E+00	0.00E+00	0.00E+00	9.61E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09	9.84E-10	0.00E+00	0.00E+00	0.00E+00	9.84E-10
2386	380810.12	3734767.69	9.66E-09	0.00E+00	0.00E+00	0.00E+00	9.66E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09	9.89E-10	0.00E+00	0.00E+00	0.00E+00	9.89E-10
2387	380820.12	3734767.69	9.71E-09	0.00E+00	0.00E+00	0.00E+00	9.71E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09	9.95E-10	0.00E+00	0.00E+00	0.00E+00	9.95E-10
2388	380830.12	3734767.69	9.76E-09	0.00E+00	0.00E+00	0.00E+00	9.76E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09	1.00E-09	0.00E+00	0.00E+00	0.00E+00	1.00E-09
2389	380840.12	3734767.69	9.82E-09	0.00E+00	0.00E+00	0.00E+00	9.82E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
2390	380850.12	3734767.69	9.88E-09	0.00E+00	0.00E+00	0.00E+00	9.88E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
2391	380860.12	3734767.69	9.94E-09	0.00E+00	0.00E+00	0.00E+00	9.94E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
2392	380870.12	3734767.69	1.00E-08	0.00E+00	0.00E+00	0.00E+00	1.00E-08	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
2393	380880.12	3734767.69	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
2394	380890.12	3734767.69	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
2395	380900.12	3734767.69	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
2396	380910.12	3734767.69	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
2397	380920.12	3734767.69	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
2398	380930.12	3734767.69	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
2399	380940.12	3734767.69	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
2400	380950.12	3734767.69	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
2401	380960.12	3734767.69	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
2402	380970.12	3734767.69	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
2403	380980.12	3734767.69	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
2404	380990.12	3734767.69	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
2405	381000.12	3734767.69	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
2406	381010.12	3734767.69	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
2407	381020.12	3734767.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
2408	381030.12	3734767.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
2409	381040.12	3734767.69	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
2410	381050.12	3734767.69	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
2411	381060.12	3734767.69	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09

2412	381070.12	3734767.69	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
2413	381080.12	3734767.69	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
2414	381090.12	3734767.69	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
2415	381100.12	3734767.69	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
2416	381110.12	3734767.69	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
2417	381120.12	3734767.69	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
2418	381130.12	3734767.69	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.81E-09	0.00E+00	0.00E+00	0.00E+00	1.81E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
2419	381140.12	3734767.69	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
2420	381150.12	3734767.69	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
2421	381160.12	3734767.69	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
2422	381170.12	3734767.69	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
2423	381180.12	3734767.69	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
2424	381190.12	3734767.69	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
2425	381200.12	3734767.69	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
2426	381210.12	3734767.69	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
2427	381220.12	3734767.69	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
2428	381230.12	3734767.69	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.90E-09	0.00E+00	0.00E+00	0.00E+00	1.90E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
2429	381240.12	3734767.69	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
2430	381250.12	3734767.69	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
2431	381260.12	3734767.69	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
2432	381270.12	3734767.69	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
2433	381280.12	3734767.69	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
2434	381290.12	3734767.69	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
2435	381300.12	3734767.69	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
2436	381310.12	3734767.69	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
2437	381320.12	3734767.69	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
2438	381330.12	3734767.69	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
2439	381340.12	3734767.69	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
2440	381350.12	3734767.69	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
2441	381360.12	3734767.69	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
2442	381370.12	3734767.69	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
2443	381380.12	3734767.69	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
2444	381390.12	3734767.69	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.07E-09	0.00E+00	0.00E+00	0.00E+00	2.07E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
2445	381400.12	3734767.69	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.08E-09	0.00E+00	0.00E+00	0.00E+00	2.08E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
2446	381410.12	3734767.69	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.09E-09	0.00E+00	0.00E+00	0.00E+00	2.09E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
2447	381420.12	3734767.69	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.10E-09	0.00E+00	0.00E+00	0.00E+00	2.10E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09
2448	381430.12	3734767.69	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.11E-09	0.00E+00	0.00E+00	0.00E+00	2.11E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09
2449	381440.12	3734767.69	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.12E-09	0.00E+00	0.00E+00	0.00E+00	2.12E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
2450	381450.12	3734767.69	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.12E-09	0.00E+00	0.00E+00	0.00E+00	2.12E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
2451	380320.12	3734777.69	7.39E-09	0.00E+00	0.00E+00	0.00E+00	7.39E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09	7.57E-10	0.00E+00	0.00E+00	0.00E+00	7.57E-10
2452	380330.12	3734777.69	7.43E-09	0.00E+00	0.00E+00	0.00E+00	7.43E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09	7.61E-10	0.00E+00	0.00E+00	0.00E+00	7.61E-10
2453	380340.12	3734777.69	7.48E-09	0.00E+00	0.00E+00	0.00E+00	7.48E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09	7.67E-10	0.00E+00	0.00E+00	0.00E+00	7.67E-10
2454	380350.12	3734777.69	7.54E-09	0.00E+00	0.00E+00	0.00E+00	7.54E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09	7.72E-10	0.00E+00	0.00E+00	0.00E+00	7.72E-10
2455	380360.12	3734777.69	7.59E-09	0.00E+00	0.00E+00	0.00E+00	7.59E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09	7.77E-10	0.00E+00	0.00E+00	0.00E+00	7.77E-10
2456	380370.12	3734777.69	7.64E-09	0.00E+00	0.00E+00	0.00E+00	7.64E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09	7.83E-10	0.00E+00	0.00E+00	0.00E+00	7.83E-10
2457	380380.12	3734777.69	7.70E-09	0.00E+00	0.00E+00	0.00E+00	7.70E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09	7.88E-10	0.00E+00	0.00E+00	0.00E+00	7.88E-10
2458	380390.12	3734777.69	7.75E-09	0.00E+00	0.00E+00	0.00E+00	7.75E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09	7.94E-10	0.00E+00	0.00E+00	0.00E+00	7.94E-10
2459	380400.12	3734777.69	7.80E-09	0.00E+00	0.00E+00	0.00E+00	7.80E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09	7.99E-10	0.00E+00	0.00E+00	0.00E+00	7.99E-10
2460	380410.12	3734777.69	7.85E-09	0.00E+00	0.00E+00	0.00E+00	7.85E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09	8.04E-10	0.00E+00	0.00E+00	0.00E+00	8.04E-10
2461	380420.12	3734777.69	7.91E-09	0.00E+00	0.00E+00	0.00E+00	7.91E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09	8.10E-10	0.00E+00	0.00E+00	0.00E+00	8.10E-10
2462	380430.12	3734777.69	7.95E-09	0.00E+00	0.00E+00	0.00E+00	7.95E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09	8.14E-10	0.00E+00	0.00E+00	0.00E+00	8.14E-10
2463	380440.12	3734777.69	8.00E-09	0.00E+00	0.00E+00	0.00E+00	8.00E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09	8.19E-10	0.00E+00	0.00E+00	0.00E+00	8.19E-10
2464	380450.12	3734777.69	8.05E-09	0.00E+00	0.00E+00	0.00E+00	8.05E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09	8.25E-10	0.00E+00	0.00E+00	0.00E+00	8.25E-10
2465	380460.12	3734777.69	8.09E-09	0.00E+00	0.00E+00	0.00E+00	8.09E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09	8.29E-10	0.00E+00	0.00E+00	0.00E+00	8.29E-10
2466	380470.12	3734777.69	8.14E-09	0.00E+00	0.00E+00	0.00E+00	8.14E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09	8.34E-10	0.00E+00	0.00E+00	0.00E+00	8.34E-10
2467	380480.12	3734777.69	8.20E-09	0.00E+00	0.00E+00	0.00E+00	8.20E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09	8.40E-10	0.00E+00	0.00E+00	0.00E+00	8.40E-10
2468	380490.12	3734777.69	8.24E-09	0.00E+00	0.00E+00	0.00E+00	8.24E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09	8.44E-10	0.00E+00	0.00E+00	0.00E+00	8.44E-10
2469	380500.12	3734777.69	8.28E-09	0.00E+00	0.00E+00	0.00E+00	8.28E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09	8.48E-10	0.00E+00	0.00E+00	0.00E+00	8.48E-10
2470	380510.12	3734777.69	8.32E-09	0.00E+00	0.00E+00	0.00E+00	8.32E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09	8.52E-10	0.00E+00	0.00E+00	0.00E+00	8.52E-10
2471	380520.12	3734777.69	8.35E-09	0.00E+00	0.00E+00	0.00E+00	8.35E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09	8.56E-10	0.00E+00	0.00E+00	0.00E+00	8.56E-10
2472	380530.12	3734777.69	8.39E-09	0.00E+00	0.00E+00	0.00E+00	8.39E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09	8.60E-10	0.00E+00	0.00E+00	0.00E+00	8.60E-10
2473	380540.12	3734777.69	8.43E-09	0.00E+00	0.00E+00	0.00E+00	8.43E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09	8.64E-10	0.00E+00	0.00E+00	0.00E+00	8.64E-10
2474	380550.12	3734777.69	8.47E-09	0.00E+00	0.00E+00	0.00E+00	8.47E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09	8.68E-10	0.00E+00	0.00E+00	0.00E+00	8.68E-10
2475	380560.12	3734777.69	8.53E-09	0.00E+00	0.00E+00	0.00E+00	8.53E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09	8.73E-10	0.00E+00	0.00E+00	0.00E+00	8.73E-10
2476	380570.12	3734777.69	8.58E-09	0.00E+00	0.00E+00	0.00E+00	8.58E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09	8.79E-10	0.00E+00	0.00E+00	0.00E+00	8.79E-10
2477	380580.12	3734777.69	8.62E-09	0.00E+00	0.00E+00	0.00E+00	8.62E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09	8.83E-10	0.00E+00	0.00E+00	0.00E+00	8.83E-10
2478	380590.12	3734777.69	8.67E-09	0.00E+00	0.00E+00	0.00E+00	8.67E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09	8.88E-10	0.00E+00	0.00E+00	0.00E+00	8.88E-10
2479	380600.12	3734777.69	8.72E-09	0.00E+00	0.00E+00	0.00E+00	8.72E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09	8.94E-10	0.00E+00	0.00E+00	0.00E+00	8.94E-10
2480	380610.12	3734777.69	8.76E-09	0.00E+00	0.00E+00	0.00E+00	8.76E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09	8.98E-10	0.00E+00	0.00E+00	0.00E+00	8.98E-10
2481	380620.12	3734777.69	8.82E-09	0.00E+00	0.00E+00	0.00E+00	8.82E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09	9.03E-10	0.00E+00	0.00E+00	0.00E+00	9.03E-10
2482	380630.12	3734777.69	8.86E-09	0.00E+00	0.00E+00	0.00E+00	8.86E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09	9.07E-10	0.00E+00	0.00E+00	0.00E+00	9.07E-10
2483	380640.12	3734777.69	8.89E-09	0.00E+00	0.00E+00	0.00E+00	8.89E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09	9.11E-10	0.00E+00	0.00E+00	0.00E+00	9.11E-10
2484	380650.12	3734777.69	8.95E-09	0.00E+00	0.00E+00	0.00E+00	8.95E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09	9.16E-10	0.00E+00	0.00E+00	0.00E+00	9.16E-10
2485	380660.12	3734777.69	9.00E-09	0.00E+00	0.00E+00	0.00E+00	9.00E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09	9.22E-10	0.00E+00	0.00E+00	0.00E+00	9.22E-10
2486	380670.12	3734777.69	9.04E-09	0.00E+00	0.00E+00	0.00E+00	9.04E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09	9.26E-10	0.00E+00	0.00E+00	0.00E+00	9.26E-10
2487	380680.12	3734777.69	9.09E-09	0.00E+00	0.00E+00	0.00E+00	9.09E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09	9.31E-10	0.00E+00	0.00E+00	0.00E+00	9.31E-10
2488	380690.12	3734777.69	9.15E-09	0.00E+00	0.00E+00	0.00E+00	9.15E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09	9.37E-10	0.00E+00	0.00E+00	0.00E+00	9.37E-10
2489	380700.12	3734777.69	9.20E-09	0.00E+00	0.00E+00	0.00E+00	9.20E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09	9.42E-10	0.00E+00	0.00E+00	0.00E+00	9.42E-10
2490	380710.12	3734777.69	9.24E-09	0.00E+00	0.00E+00	0.00E+00	9.24E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09	9.46E-10	0.00E+00	0.00E+00	0.00E+00	9.46E-10
2491	380720.12	3734777.69	9.28E-09	0.00E+00	0.00E+00	0.00E+00	9.28E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09	9.50E-10	0.00E+00	0.00E+00	0.00E+00	9.50E-10
2492	380730.12	3734777.69	9.33E-09	0.00E+00	0.00E+00	0.00E+00	9.33E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09	9.56E-10	0.00E+00	0.00E+00	0.00E+00	9.56E-10
2493	380740.12	3734777.69	9.37E-09	0.00E+00	0.00E+00	0.00E+00	9.37E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09	9.60E-10	0.00E+00	0.00E+00	0.00E+00	9.60E-10
2494	380750.12	3734777.69	9.42E-09	0.00E+00	0.00E+00	0.00E+00	9.42E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09	9.65E-10	0.00E+00	0.00E+00	0.00E+00	9.65E-10
2495	380760.12	3734777.69	9.46E-09	0.00E+00	0.00E+00	0.00E+00	9.46E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09	9.69E-10	0.00E+00	0.00E+00	0.00E+00	9.69E-10
2496	380770.12	3734777.69	9.51E-09	0.00E+00	0.00E+00	0.00E+00	9.51E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09	9.74E-10	0.00E+00	0.00E+00	0.00E+00	9.74E-10
2497	380780.12	3734777.69	9.57E-09	0.00E+00	0.00E+00	0.00E+00	9.57E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09	9.80E-10	0.00E+00	0.00E+00	0.00E+00	9.80E-10
2498	380790.12	3734777.69	9.62E-09	0.00E+00	0.00E+00	0.00E+00	9.62E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09	9.85E-10	0.00E+00	0.00E+00	0.00E+00	9.85E-10
2499	380800.12	3734777.69	9.66E-09	0.00E+00	0.00E+00	0.00E+00	9.66E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09	9.89E-10	0.00E+00	0.00E+00	0.00E+00	9.89E-10
2500	380810.12	3734777.69	9.71E-09	0.00E+00	0.00E+00	0.00E+00	9.71E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09	9.95E-10	0.00E+00	0.00E+00	0.00E+00	9.95E-10
2501	380820.12	3734777.69	9.76E-09	0.00E+00	0.00E+00	0.00E+00	9.76E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09	1.00E-09	0.00E+00	0.00E+00	0.00E+00	1.00E-09
2502	380830.12	3734777.69	9.83E-09	0.00E+00	0.00E+00	0.00E+00	9.83E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
2503	380840.12	3734777.69	9.88E-09	0.00E+00	0.00E+00	0.00E+00	9.88E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
2504	380850.12	3734777.69	9.95E-09	0.00E+00	0.00E+00	0.00E+00	9.95E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
2505	380860.12	3734777.69	1.00E-08	0.00E+00	0.00E+00	0.00E+00	1.00E-08	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
2506	380870.12	3734777.69	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
2507	380880.12	3734777.69	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
2508	380890.12	3734777.69	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
2509	380900.12	3734777.69	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
2510	380910.12	3734777.69	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
2511	380920.12	3734777.69	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
2512	380930.12	3734777.69	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
2513	380940.12	3734777.69	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
2514	380950.12	3734777.69	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
2515	380960.12	3734777.69	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
2516	380970.12	3734777.69	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09

2517	380980.12	3734777.69	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
2518	380990.12	3734777.69	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
2519	381000.12	3734777.69	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
2520	381010.12	3734777.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
2521	381020.12	3734777.69	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
2522	381030.12	3734777.69	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
2523	381040.12	3734777.69	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
2524	381050.12	3734777.69	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
2525	381060.12	3734777.69	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
2526	381070.12	3734777.69	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
2527	381080.12	3734777.69	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
2528	381090.12	3734777.69	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
2529	381100.12	3734777.69	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
2530	381110.12	3734777.69	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
2531	381120.12	3734777.69	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.81E-09	0.00E+00	0.00E+00	0.00E+00	1.81E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
2532	381130.12	3734777.69	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
2533	381140.12	3734777.69	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
2534	381150.12	3734777.69	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
2535	381160.12	3734777.69	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
2536	381170.12	3734777.69	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
2537	381180.12	3734777.69	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
2538	381190.12	3734777.69	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
2539	381200.12	3734777.69	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
2540	381210.12	3734777.69	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.90E-09	0.00E+00	0.00E+00	0.00E+00	1.90E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
2541	381220.12	3734777.69	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
2542	381230.12	3734777.69	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
2543	381240.12	3734777.69	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
2544	381250.12	3734777.69	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
2545	381260.12	3734777.69	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
2546	381270.12	3734777.69	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
2547	381280.12	3734777.69	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
2548	381290.12	3734777.69	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
2549	381300.12	3734777.69	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
2550	381310.12	3734777.69	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
2551	381320.12	3734777.69	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
2552	381330.12	3734777.69	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
2553	381340.12	3734777.69	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
2554	381350.12	3734777.69	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
2555	381360.12	3734777.69	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
2556	381370.12	3734777.69	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
2557	381380.12	3734777.69	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.07E-09	0.00E+00	0.00E+00	0.00E+00	2.07E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
2558	381390.12	3734777.69	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.09E-09	0.00E+00	0.00E+00	0.00E+00	2.09E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
2559	381400.12	3734777.69	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.10E-09	0.00E+00	0.00E+00	0.00E+00	2.10E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09
2560	381410.12	3734777.69	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.11E-09	0.00E+00	0.00E+00	0.00E+00	2.11E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09
2561	381420.12	3734777.69	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.12E-09	0.00E+00	0.00E+00	0.00E+00	2.12E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
2562	381430.12	3734777.69	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.13E-09	0.00E+00	0.00E+00	0.00E+00	2.13E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
2563	381440.12	3734777.69	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.13E-09	0.00E+00	0.00E+00	0.00E+00	2.13E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09
2564	381450.12	3734777.69	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.14E-09	0.00E+00	0.00E+00	0.00E+00	2.14E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09
2565	380320.12	3734787.69	7.42E-09	0.00E+00	0.00E+00	0.00E+00	7.42E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09	7.60E-10	0.00E+00	0.00E+00	0.00E+00	7.60E-10
2566	380330.12	3734787.69	7.47E-09	0.00E+00	0.00E+00	0.00E+00	7.47E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09	7.65E-10	0.00E+00	0.00E+00	0.00E+00	7.65E-10
2567	380340.12	3734787.69	7.52E-09	0.00E+00	0.00E+00	0.00E+00	7.52E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09	7.71E-10	0.00E+00	0.00E+00	0.00E+00	7.71E-10
2568	380350.12	3734787.69	7.58E-09	0.00E+00	0.00E+00	0.00E+00	7.58E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09	7.76E-10	0.00E+00	0.00E+00	0.00E+00	7.76E-10
2569	380360.12	3734787.69	7.63E-09	0.00E+00	0.00E+00	0.00E+00	7.63E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09	7.81E-10	0.00E+00	0.00E+00	0.00E+00	7.81E-10
2570	380370.12	3734787.69	7.68E-09	0.00E+00	0.00E+00	0.00E+00	7.68E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09	7.87E-10	0.00E+00	0.00E+00	0.00E+00	7.87E-10
2571	380380.12	3734787.69	7.74E-09	0.00E+00	0.00E+00	0.00E+00	7.74E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09	7.92E-10	0.00E+00	0.00E+00	0.00E+00	7.92E-10
2572	380390.12	3734787.69	7.79E-09	0.00E+00	0.00E+00	0.00E+00	7.79E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09	7.98E-10	0.00E+00	0.00E+00	0.00E+00	7.98E-10
2573	380400.12	3734787.69	7.84E-09	0.00E+00	0.00E+00	0.00E+00	7.84E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09	8.03E-10	0.00E+00	0.00E+00	0.00E+00	8.03E-10
2574	380410.12	3734787.69	7.89E-09	0.00E+00	0.00E+00	0.00E+00	7.89E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09	8.08E-10	0.00E+00	0.00E+00	0.00E+00	8.08E-10
2575	380420.12	3734787.69	7.95E-09	0.00E+00	0.00E+00	0.00E+00	7.95E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09	8.14E-10	0.00E+00	0.00E+00	0.00E+00	8.14E-10
2576	380430.12	3734787.69	8.00E-09	0.00E+00	0.00E+00	0.00E+00	8.00E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09	8.19E-10	0.00E+00	0.00E+00	0.00E+00	8.19E-10
2577	380440.12	3734787.69	8.05E-09	0.00E+00	0.00E+00	0.00E+00	8.05E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09	8.25E-10	0.00E+00	0.00E+00	0.00E+00	8.25E-10
2578	380450.12	3734787.69	8.09E-09	0.00E+00	0.00E+00	0.00E+00	8.09E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09	8.29E-10	0.00E+00	0.00E+00	0.00E+00	8.29E-10
2579	380460.12	3734787.69	8.14E-09	0.00E+00	0.00E+00	0.00E+00	8.14E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09	8.34E-10	0.00E+00	0.00E+00	0.00E+00	8.34E-10
2580	380470.12	3734787.69	8.20E-09	0.00E+00	0.00E+00	0.00E+00	8.20E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09	8.40E-10	0.00E+00	0.00E+00	0.00E+00	8.40E-10
2581	380480.12	3734787.69	8.24E-09	0.00E+00	0.00E+00	0.00E+00	8.24E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09	8.44E-10	0.00E+00	0.00E+00	0.00E+00	8.44E-10
2582	380490.12	3734787.69	8.29E-09	0.00E+00	0.00E+00	0.00E+00	8.29E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09	8.49E-10	0.00E+00	0.00E+00	0.00E+00	8.49E-10
2583	380500.12	3734787.69	8.33E-09	0.00E+00	0.00E+00	0.00E+00	8.33E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09	8.53E-10	0.00E+00	0.00E+00	0.00E+00	8.53E-10
2584	380510.12	3734787.69	8.37E-09	0.00E+00	0.00E+00	0.00E+00	8.37E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09	8.57E-10	0.00E+00	0.00E+00	0.00E+00	8.57E-10
2585	380520.12	3734787.69	8.41E-09	0.00E+00	0.00E+00	0.00E+00	8.41E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09	8.61E-10	0.00E+00	0.00E+00	0.00E+00	8.61E-10
2586	380530.12	3734787.69	8.45E-09	0.00E+00	0.00E+00	0.00E+00	8.45E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09	8.65E-10	0.00E+00	0.00E+00	0.00E+00	8.65E-10
2587	380540.12	3734787.69	8.49E-09	0.00E+00	0.00E+00	0.00E+00	8.49E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09	8.69E-10	0.00E+00	0.00E+00	0.00E+00	8.69E-10
2588	380550.12	3734787.69	8.53E-09	0.00E+00	0.00E+00	0.00E+00	8.53E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09	8.73E-10	0.00E+00	0.00E+00	0.00E+00	8.73E-10
2589	380560.12	3734787.69	8.58E-09	0.00E+00	0.00E+00	0.00E+00	8.58E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09	8.79E-10	0.00E+00	0.00E+00	0.00E+00	8.79E-10
2590	380570.12	3734787.69	8.62E-09	0.00E+00	0.00E+00	0.00E+00	8.62E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09	8.83E-10	0.00E+00	0.00E+00	0.00E+00	8.83E-10
2591	380580.12	3734787.69	8.67E-09	0.00E+00	0.00E+00	0.00E+00	8.67E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09	8.88E-10	0.00E+00	0.00E+00	0.00E+00	8.88E-10
2592	380590.12	3734787.69	8.72E-09	0.00E+00	0.00E+00	0.00E+00	8.72E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09	8.94E-10	0.00E+00	0.00E+00	0.00E+00	8.94E-10
2593	380600.12	3734787.69	8.76E-09	0.00E+00	0.00E+00	0.00E+00	8.76E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09	8.98E-10	0.00E+00	0.00E+00	0.00E+00	8.98E-10
2594	380610.12	3734787.69	8.82E-09	0.00E+00	0.00E+00	0.00E+00	8.82E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09	9.03E-10	0.00E+00	0.00E+00	0.00E+00	9.03E-10
2595	380620.12	3734787.69	8.86E-09	0.00E+00	0.00E+00	0.00E+00	8.86E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09	9.07E-10	0.00E+00	0.00E+00	0.00E+00	9.07E-10
2596	380630.12	3734787.69	8.91E-09	0.00E+00	0.00E+00	0.00E+00	8.91E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09	9.12E-10	0.00E+00	0.00E+00	0.00E+00	9.12E-10
2597	380640.12	3734787.69	8.95E-09	0.00E+00	0.00E+00	0.00E+00	8.95E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09	9.16E-10	0.00E+00	0.00E+00	0.00E+00	9.16E-10
2598	380650.12	3734787.69	9.00E-09	0.00E+00	0.00E+00	0.00E+00	9.00E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09	9.22E-10	0.00E+00	0.00E+00	0.00E+00	9.22E-10
2599	380660.12	3734787.69	9.05E-09	0.00E+00	0.00E+00	0.00E+00	9.05E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09	9.27E-10	0.00E+00	0.00E+00	0.00E+00	9.27E-10
2600	380670.12	3734787.69	9.09E-09	0.00E+00	0.00E+00	0.00E+00	9.09E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09	9.31E-10	0.00E+00	0.00E+00	0.00E+00	9.31E-10
2601	380680.12	3734787.69	9.16E-09	0.00E+00	0.00E+00	0.00E+00	9.16E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09	9.38E-10	0.00E+00	0.00E+00	0.00E+00	9.38E-10
2602	380690.12	3734787.69	9.21E-09	0.00E+00	0.00E+00	0.00E+00	9.21E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09	9.43E-10	0.00E+00	0.00E+00	0.00E+00	9.43E-10
2603	380700.12	3734787.69	9.26E-09	0.00E+00	0.00E+00	0.00E+00	9.26E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09	9.49E-10	0.00E+00	0.00E+00	0.00E+00	9.49E-10
2604	380710.12	3734787.69	9.30E-09	0.00E+00	0.00E+00	0.00E+00	9.30E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09	9.53E-10	0.00E+00	0.00E+00	0.00E+00	9.53E-10
2605	380720.12	3734787.69	9.34E-09	0.00E+00	0.00E+00	0.00E+00	9.34E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09	9.57E-10	0.00E+00	0.00E+00	0.00E+00	9.57E-10
2606	380730.12	3734787.69	9.40E-09	0.00E+00	0.00E+00	0.00E+00	9.40E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09	9.62E-10	0.00E+00	0.00E+00	0.00E+00	9.62E-10
2607	380740.12	3734787.69	9.44E-09	0.00E+00	0.00E+00	0.00E+00	9.44E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09	9.66E-10	0.00E+00	0.00E+00	0.00E+00	9.66E-10
2608	380750.12	3734787.69	9.49E-09	0.00E+00	0.00E+00	0.00E+00	9.49E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09	9.72E-10	0.00E+00	0.00E+00	0.00E+00	9.72E-10
2609	380760.12	3734787.69	9.53E-09	0.00E+00	0.00E+00	0.00E+00	9.53E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09	9.76E-10	0.00E+00	0.00E+00	0.00E+00	9.76E-10
2610	380770.12	3734787.69	9.58E-09	0.00E+00	0.00E+00	0.00E+00	9.58E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09	9.81E-10	0.00E+00	0.00E+00	0.00E+00	9.81E-10
2611	380780.12	3734787.69	9.62E-09	0.00E+00	0.00E+00	0.00E+00	9.62E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09	9.85E-10	0.00E+00	0.00E+00	0.00E+00	9.85E-10
2612	380790.12	3734787.69	9.67E-09	0.00E+00	0.00E+00	0.00E+00	9.67E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09	9.91E-10	0.00E+00	0.00E+00	0.00E+00	9.91E-10
2613	380800.12	3734787.69	9.73E-09	0.00E+00	0.00E+00	0.00E+00	9.73E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09	9.96E-10	0.00E+00	0.00E+00	0.00E+00	9.96E-10
2614	380810.12	3734787.69	9.78E-09	0.00E+00	0.00E+00	0.00E+00	9.78E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09	1.00E-09	0.00E+00	0.00E+00	0.00E+00	1.00E-09
2615	380820.12	3734787.69	9.83E-09	0.00E+00	0.00E+00	0.00E+00	9.83E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
2616	380830.12	3734787.69	9.90E-09	0.00E+00	0.00E+00	0.00E+00	9.90E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
2617	380840.12	3734787.69	9.95E-09	0.00E+00	0.00E+00	0.00E+00	9.95E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
2618	380850.12	3734787.69	1.00E-08	0.00E+00	0.00E+00	0.00E+00	1.00E-08	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
2619	380860.12	3734787.69	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
2620	380870.12	3734787.69	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
2621	380880.12	3734787.69	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09

2622	380890.12	3734787.69	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
2623	380900.12	3734787.69	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
2624	380910.12	3734787.69	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
2625	380920.12	3734787.69	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
2626	380930.12	3734787.69	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
2627	380940.12	3734787.69	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
2628	380950.12	3734787.69	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
2629	380960.12	3734787.69	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
2630	380970.12	3734787.69	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
2631	380980.12	3734787.69	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
2632	380990.12	3734787.69	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
2633	381000.12	3734787.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
2634	381010.12	3734787.69	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
2635	381020.12	3734787.69	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
2636	381030.12	3734787.69	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
2637	381040.12	3734787.69	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
2638	381050.12	3734787.69	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
2639	381060.12	3734787.69	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
2640	381070.12	3734787.69	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
2641	381080.12	3734787.69	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
2642	381090.12	3734787.69	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
2643	381100.12	3734787.69	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
2644	381110.12	3734787.69	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.81E-09	0.00E+00	0.00E+00	0.00E+00	1.81E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
2645	381120.12	3734787.69	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
2646	381130.12	3734787.69	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
2647	381140.12	3734787.69	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
2648	381150.12	3734787.69	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
2649	381160.12	3734787.69	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
2650	381170.12	3734787.69	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
2651	381180.12	3734787.69	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
2652	381190.12	3734787.69	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.90E-09	0.00E+00	0.00E+00	0.00E+00	1.90E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
2653	381200.12	3734787.69	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
2654	381210.12	3734787.69	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
2655	381220.12	3734787.69	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
2656	381230.12	3734787.69	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
2657	381240.12	3734787.69	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
2658	381250.12	3734787.69	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
2659	381260.12	3734787.69	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
2660	381270.12	3734787.69	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
2661	381280.12	3734787.69	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
2662	381290.12	3734787.69	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
2663	381300.12	3734787.69	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
2664	381310.12	3734787.69	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
2665	381320.12	3734787.69	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
2666	381330.12	3734787.69	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
2667	381340.12	3734787.69	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.03E-09	0.00E+00	0.00E+00	0.00E+00	2.03E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
2668	381350.12	3734787.69	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
2669	381360.12	3734787.69	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
2670	381370.12	3734787.69	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.07E-09	0.00E+00	0.00E+00	0.00E+00	2.07E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
2671	381380.12	3734787.69	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.09E-09	0.00E+00	0.00E+00	0.00E+00	2.09E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
2672	381390.12	3734787.69	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.11E-09	0.00E+00	0.00E+00	0.00E+00	2.11E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09
2673	381400.12	3734787.69	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.12E-09	0.00E+00	0.00E+00	0.00E+00	2.12E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
2674	381410.12	3734787.69	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.13E-09	0.00E+00	0.00E+00	0.00E+00	2.13E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09
2675	381420.12	3734787.69	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.14E-09	0.00E+00	0.00E+00	0.00E+00	2.14E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09
2676	381430.12	3734787.69	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.14E-09	0.00E+00	0.00E+00	0.00E+00	2.14E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
2677	381440.12	3734787.69	1.40E-08	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.15E-09	0.00E+00	0.00E+00	0.00E+00	2.15E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
2678	381450.12	3734787.69	1.40E-08	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.16E-09	0.00E+00	0.00E+00	0.00E+00	2.16E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
2679	380320.12	3734797.69	7.46E-09	0.00E+00	0.00E+00	0.00E+00	7.46E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09	7.64E-10	0.00E+00	0.00E+00	0.00E+00	7.64E-10
2680	380330.12	3734797.69	7.51E-09	0.00E+00	0.00E+00	0.00E+00	7.51E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09	7.69E-10	0.00E+00	0.00E+00	0.00E+00	7.69E-10
2681	380340.12	3734797.69	7.56E-09	0.00E+00	0.00E+00	0.00E+00	7.56E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09	7.75E-10	0.00E+00	0.00E+00	0.00E+00	7.75E-10
2682	380350.12	3734797.69	7.62E-09	0.00E+00	0.00E+00	0.00E+00	7.62E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09	7.80E-10	0.00E+00	0.00E+00	0.00E+00	7.80E-10
2683	380360.12	3734797.69	7.67E-09	0.00E+00	0.00E+00	0.00E+00	7.67E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09	7.86E-10	0.00E+00	0.00E+00	0.00E+00	7.86E-10
2684	380370.12	3734797.69	7.72E-09	0.00E+00	0.00E+00	0.00E+00	7.72E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09	7.91E-10	0.00E+00	0.00E+00	0.00E+00	7.91E-10
2685	380380.12	3734797.69	7.77E-09	0.00E+00	0.00E+00	0.00E+00	7.77E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09	7.96E-10	0.00E+00	0.00E+00	0.00E+00	7.96E-10
2686	380390.12	3734797.69	7.83E-09	0.00E+00	0.00E+00	0.00E+00	7.83E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09	8.02E-10	0.00E+00	0.00E+00	0.00E+00	8.02E-10
2687	380400.12	3734797.69	7.88E-09	0.00E+00	0.00E+00	0.00E+00	7.88E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09	8.07E-10	0.00E+00	0.00E+00	0.00E+00	8.07E-10
2688	380410.12	3734797.69	7.93E-09	0.00E+00	0.00E+00	0.00E+00	7.93E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09	8.13E-10	0.00E+00	0.00E+00	0.00E+00	8.13E-10
2689	380420.12	3734797.69	7.99E-09	0.00E+00	0.00E+00	0.00E+00	7.99E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09	8.18E-10	0.00E+00	0.00E+00	0.00E+00	8.18E-10
2690	380430.12	3734797.69	8.04E-09	0.00E+00	0.00E+00	0.00E+00	8.04E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09	8.23E-10	0.00E+00	0.00E+00	0.00E+00	8.23E-10
2691	380440.12	3734797.69	8.09E-09	0.00E+00	0.00E+00	0.00E+00	8.09E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09	8.29E-10	0.00E+00	0.00E+00	0.00E+00	8.29E-10
2692	380450.12	3734797.69	8.13E-09	0.00E+00	0.00E+00	0.00E+00	8.13E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09	8.33E-10	0.00E+00	0.00E+00	0.00E+00	8.33E-10
2693	380460.12	3734797.69	8.18E-09	0.00E+00	0.00E+00	0.00E+00	8.18E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09	8.38E-10	0.00E+00	0.00E+00	0.00E+00	8.38E-10
2694	380470.12	3734797.69	8.24E-09	0.00E+00	0.00E+00	0.00E+00	8.24E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09	8.44E-10	0.00E+00	0.00E+00	0.00E+00	8.44E-10
2695	380480.12	3734797.69	8.28E-09	0.00E+00	0.00E+00	0.00E+00	8.28E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09	8.48E-10	0.00E+00	0.00E+00	0.00E+00	8.48E-10
2696	380490.12	3734797.69	8.33E-09	0.00E+00	0.00E+00	0.00E+00	8.33E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09	8.53E-10	0.00E+00	0.00E+00	0.00E+00	8.53E-10
2697	380500.12	3734797.69	8.37E-09	0.00E+00	0.00E+00	0.00E+00	8.37E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09	8.57E-10	0.00E+00	0.00E+00	0.00E+00	8.57E-10
2698	380510.12	3734797.69	8.41E-09	0.00E+00	0.00E+00	0.00E+00	8.41E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09	8.61E-10	0.00E+00	0.00E+00	0.00E+00	8.61E-10
2699	380520.12	3734797.69	8.45E-09	0.00E+00	0.00E+00	0.00E+00	8.45E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09	8.65E-10	0.00E+00	0.00E+00	0.00E+00	8.65E-10
2700	380530.12	3734797.69	8.50E-09	0.00E+00	0.00E+00	0.00E+00	8.50E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09	8.71E-10	0.00E+00	0.00E+00	0.00E+00	8.71E-10
2701	380540.12	3734797.69	8.54E-09	0.00E+00	0.00E+00	0.00E+00	8.54E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09	8.75E-10	0.00E+00	0.00E+00	0.00E+00	8.75E-10
2702	380550.12	3734797.69	8.58E-09	0.00E+00	0.00E+00	0.00E+00	8.58E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09	8.79E-10	0.00E+00	0.00E+00	0.00E+00	8.79E-10
2703	380560.12	3734797.69	8.63E-09	0.00E+00	0.00E+00	0.00E+00	8.63E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09	8.84E-10	0.00E+00	0.00E+00	0.00E+00	8.84E-10
2704	380570.12	3734797.69	8.67E-09	0.00E+00	0.00E+00	0.00E+00	8.67E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09	8.88E-10	0.00E+00	0.00E+00	0.00E+00	8.88E-10
2705	380580.12	3734797.69	8.72E-09	0.00E+00	0.00E+00	0.00E+00	8.72E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09	8.94E-10	0.00E+00	0.00E+00	0.00E+00	8.94E-10
2706	380590.12	3734797.69	8.78E-09	0.00E+00	0.00E+00	0.00E+00	8.78E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09	8.99E-10	0.00E+00	0.00E+00	0.00E+00	8.99E-10
2707	380600.12	3734797.69	8.82E-09	0.00E+00	0.00E+00	0.00E+00	8.82E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09	9.03E-10	0.00E+00	0.00E+00	0.00E+00	9.03E-10
2708	380610.12	3734797.69	8.87E-09	0.00E+00	0.00E+00	0.00E+00	8.87E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09	9.08E-10	0.00E+00	0.00E+00	0.00E+00	9.08E-10
2709	380620.12	3734797.69	8.92E-09	0.00E+00	0.00E+00	0.00E+00	8.92E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09	9.14E-10	0.00E+00	0.00E+00	0.00E+00	9.14E-10
2710	380630.12	3734797.69	8.96E-09	0.00E+00	0.00E+00	0.00E+00	8.96E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09	9.18E-10	0.00E+00	0.00E+00	0.00E+00	9.18E-10
2711	380640.12	3734797.69	9.00E-09	0.00E+00	0.00E+00	0.00E+00	9.00E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09	9.22E-10	0.00E+00	0.00E+00	0.00E+00	9.22E-10
2712	380650.12	3734797.69	9.05E-09	0.00E+00	0.00E+00	0.00E+00	9.05E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09	9.27E-10	0.00E+00	0.00E+00	0.00E+00	9.27E-10
2713	380660.12	3734797.69	9.11E-09	0.00E+00	0.00E+00	0.00E+00	9.11E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09	9.33E-10	0.00E+00	0.00E+00	0.00E+00	9.33E-10
2714	380670.12	3734797.69	9.16E-09	0.00E+00	0.00E+00	0.00E+00	9.16E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09	9.38E-10	0.00E+00	0.00E+00	0.00E+00	9.38E-10
2715	380680.12	3734797.69	9.21E-09	0.00E+00	0.00E+00	0.00E+00	9.21E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09	9.43E-10	0.00E+00	0.00E+00	0.00E+00	9.43E-10
2716	380690.12	3734797.69	9.26E-09	0.00E+00	0.00E+00	0.00E+00	9.26E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09	9.49E-10	0.00E+00	0.00E+00	0.00E+00	9.49E-10
2717	380700.12	3734797.69	9.33E-09	0.00E+00	0.00E+00	0.00E+00	9.33E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09	9.56E-10	0.00E+00	0.00E+00	0.00E+00	9.56E-10
2718	380710.12	3734797.69	9.37E-09	0.00E+00	0.00E+00	0.00E+00	9.37E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09	9.60E-10	0.00E+00	0.00E+00	0.00E+00	9.60E-10
2719	380720.12	3734797.69	9.41E-09	0.00E+00	0.00E+00	0.00E+00	9.41E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09	9.64E-10	0.00E+00	0.00E+00	0.00E+00	9.64E-10
2720	380730.12	3734797.69	9.45E-09	0.00E+00	0.00E+00	0.00E+00	9.45E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09	9.68E-10	0.00E+00	0.00E+00	0.00E+00	9.68E-10
2721	380740.12	3734797.69	9.50E-09	0.00E+00	0.00E+00	0.00E+00	9.50E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09	9.73E-10	0.00E+00	0.00E+00	0.00E+00	9.73E-10
2722	380750.12	3734797.69	9.54E-09	0.00E+00	0.00E+00	0.00E+00	9.54E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09	9.77E-10	0.00E+00	0.00E+00	0.00E+00	9.77E-10
2723	380760.12	3734797.69	9.59E-09	0.00E+00	0.00E+00	0.00E+00	9.59E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09	9.83E-10	0.00E+00	0.00E+00	0.00E+00	9.83E-10
2724	380770.12	3734797.69	9.65E-09	0.00E+00	0.00E+00	0.00E+00	9.65E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09	9.88E-10	0.00E+00	0.00E+00	0.00E+00	9.88E-10
2725	380780.12	3734797.69	9.69E-09	0.00E+00	0.00E+00	0.00E+00	9.69E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09	9.92E-10	0.00E+00	0.00E+00	0.00E+00	9.92E-10
2726	380790.12	3734797.69	9.74E-09	0.00E+00	0.00E+00	0.00E+00	9.74E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09	9.97E-10	0.00E+00	0.00E+00	0.00E+00	9.97E-10

2727	380800.12	3734797.69	9.79E-09	0.00E+00	0.00E+00	0.00E+00	9.79E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09	1.00E-09	0.00E+00	0.00E+00	0.00E+00	1.00E-09
2728	380810.12	3734797.69	9.84E-09	0.00E+00	0.00E+00	0.00E+00	9.84E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
2729	380820.12	3734797.69	9.90E-09	0.00E+00	0.00E+00	0.00E+00	9.90E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
2730	380830.12	3734797.69	9.96E-09	0.00E+00	0.00E+00	0.00E+00	9.96E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
2731	380840.12	3734797.69	1.00E-08	0.00E+00	0.00E+00	0.00E+00	1.00E-08	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
2732	380850.12	3734797.69	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
2733	380860.12	3734797.69	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
2734	380870.12	3734797.69	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
2735	380880.12	3734797.69	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
2736	380890.12	3734797.69	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
2737	380900.12	3734797.69	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
2738	380910.12	3734797.69	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
2739	380920.12	3734797.69	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
2740	380930.12	3734797.69	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
2741	380940.12	3734797.69	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
2742	380950.12	3734797.69	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
2743	380960.12	3734797.69	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
2744	380970.12	3734797.69	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
2745	380980.12	3734797.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
2746	380990.12	3734797.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
2747	381000.12	3734797.69	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
2748	381010.12	3734797.69	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
2749	381020.12	3734797.69	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
2750	381030.12	3734797.69	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
2751	381040.12	3734797.69	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
2752	381050.12	3734797.69	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
2753	381060.12	3734797.69	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
2754	381070.12	3734797.69	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
2755	381080.12	3734797.69	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
2756	381090.12	3734797.69	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.81E-09	0.00E+00	0.00E+00	0.00E+00	1.81E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
2757	381100.12	3734797.69	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
2758	381110.12	3734797.69	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
2759	381120.12	3734797.69	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
2760	381130.12	3734797.69	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
2761	381140.12	3734797.69	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
2762	381150.12	3734797.69	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
2763	381160.12	3734797.69	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
2764	381170.12	3734797.69	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
2765	381180.12	3734797.69	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.90E-09	0.00E+00	0.00E+00	0.00E+00	1.90E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
2766	381190.12	3734797.69	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
2767	381200.12	3734797.69	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
2768	381210.12	3734797.69	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
2769	381220.12	3734797.69	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
2770	381230.12	3734797.69	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
2771	381240.12	3734797.69	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
2772	381250.12	3734797.69	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
2773	381260.12	3734797.69	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
2774	381270.12	3734797.69	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
2775	381280.12	3734797.69	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
2776	381290.12	3734797.69	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
2777	381300.12	3734797.69	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
2778	381310.12	3734797.69	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
2779	381320.12	3734797.69	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.03E-09	0.00E+00	0.00E+00	0.00E+00	2.03E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
2780	381330.12	3734797.69	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
2781	381340.12	3734797.69	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
2782	381350.12	3734797.69	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.06E-09	0.00E+00	0.00E+00	0.00E+00	2.06E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
2783	381360.12	3734797.69	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.07E-09	0.00E+00	0.00E+00	0.00E+00	2.07E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
2784	381370.12	3734797.69	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.09E-09	0.00E+00	0.00E+00	0.00E+00	2.09E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
2785	381380.12	3734797.69	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.11E-09	0.00E+00	0.00E+00	0.00E+00	2.11E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09
2786	381390.12	3734797.69	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.13E-09	0.00E+00	0.00E+00	0.00E+00	2.13E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
2787	381400.12	3734797.69	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.14E-09	0.00E+00	0.00E+00	0.00E+00	2.14E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09
2788	381410.12	3734797.69	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.15E-09	0.00E+00	0.00E+00	0.00E+00	2.15E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
2789	381420.12	3734797.69	1.40E-08	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.16E-09	0.00E+00	0.00E+00	0.00E+00	2.16E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
2790	381430.12	3734797.69	1.40E-08	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.16E-09	0.00E+00	0.00E+00	0.00E+00	2.16E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09
2791	381440.12	3734797.69	1.41E-08	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.17E-09	0.00E+00	0.00E+00	0.00E+00	2.17E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09
2792	381450.12	3734797.69	1.41E-08	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.18E-09	0.00E+00	0.00E+00	0.00E+00	2.18E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09
2793	380320.12	3734807.69	7.50E-09	0.00E+00	0.00E+00	0.00E+00	7.50E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09	7.68E-10	0.00E+00	0.00E+00	0.00E+00	7.68E-10
2794	380330.12	3734807.69	7.55E-09	0.00E+00	0.00E+00	0.00E+00	7.55E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09	7.73E-10	0.00E+00	0.00E+00	0.00E+00	7.73E-10
2795	380340.12	3734807.69	7.60E-09	0.00E+00	0.00E+00	0.00E+00	7.60E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09	7.79E-10	0.00E+00	0.00E+00	0.00E+00	7.79E-10
2796	380350.12	3734807.69	7.66E-09	0.00E+00	0.00E+00	0.00E+00	7.66E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09	7.84E-10	0.00E+00	0.00E+00	0.00E+00	7.84E-10
2797	380360.12	3734807.69	7.71E-09	0.00E+00	0.00E+00	0.00E+00	7.71E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09	7.90E-10	0.00E+00	0.00E+00	0.00E+00	7.90E-10
2798	380370.12	3734807.69	7.75E-09	0.00E+00	0.00E+00	0.00E+00	7.75E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09	7.94E-10	0.00E+00	0.00E+00	0.00E+00	7.94E-10
2799	380380.12	3734807.69	7.81E-09	0.00E+00	0.00E+00	0.00E+00	7.81E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09	8.00E-10	0.00E+00	0.00E+00	0.00E+00	8.00E-10
2800	380390.12	3734807.69	7.87E-09	0.00E+00	0.00E+00	0.00E+00	7.87E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09	8.06E-10	0.00E+00	0.00E+00	0.00E+00	8.06E-10
2801	380400.12	3734807.69	7.92E-09	0.00E+00	0.00E+00	0.00E+00	7.92E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09	8.11E-10	0.00E+00	0.00E+00	0.00E+00	8.11E-10
2802	380410.12	3734807.69	7.97E-09	0.00E+00	0.00E+00	0.00E+00	7.97E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09	8.17E-10	0.00E+00	0.00E+00	0.00E+00	8.17E-10
2803	380420.12	3734807.69	8.03E-09	0.00E+00	0.00E+00	0.00E+00	8.03E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09	8.22E-10	0.00E+00	0.00E+00	0.00E+00	8.22E-10
2804	380430.12	3734807.69	8.08E-09	0.00E+00	0.00E+00	0.00E+00	8.08E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09	8.27E-10	0.00E+00	0.00E+00	0.00E+00	8.27E-10
2805	380440.12	3734807.69	8.13E-09	0.00E+00	0.00E+00	0.00E+00	8.13E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09	8.33E-10	0.00E+00	0.00E+00	0.00E+00	8.33E-10
2806	380450.12	3734807.69	8.17E-09	0.00E+00	0.00E+00	0.00E+00	8.17E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09	8.37E-10	0.00E+00	0.00E+00	0.00E+00	8.37E-10
2807	380460.12	3734807.69	8.22E-09	0.00E+00	0.00E+00	0.00E+00	8.22E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09	8.42E-10	0.00E+00	0.00E+00	0.00E+00	8.42E-10
2808	380470.12	3734807.69	8.28E-09	0.00E+00	0.00E+00	0.00E+00	8.28E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09	8.48E-10	0.00E+00	0.00E+00	0.00E+00	8.48E-10
2809	380480.12	3734807.69	8.33E-09	0.00E+00	0.00E+00	0.00E+00	8.33E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09	8.53E-10	0.00E+00	0.00E+00	0.00E+00	8.53E-10
2810	380490.12	3734807.69	8.38E-09	0.00E+00	0.00E+00	0.00E+00	8.38E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09	8.58E-10	0.00E+00	0.00E+00	0.00E+00	8.58E-10
2811	380500.12	3734807.69	8.42E-09	0.00E+00	0.00E+00	0.00E+00	8.42E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09	8.62E-10	0.00E+00	0.00E+00	0.00E+00	8.62E-10
2812	380510.12	3734807.69	8.46E-09	0.00E+00	0.00E+00	0.00E+00	8.46E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09	8.67E-10	0.00E+00	0.00E+00	0.00E+00	8.67E-10
2813	380520.12	3734807.69	8.50E-09	0.00E+00	0.00E+00	0.00E+00	8.50E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09	8.71E-10	0.00E+00	0.00E+00	0.00E+00	8.71E-10
2814	380530.12	3734807.69	8.54E-09	0.00E+00	0.00E+00	0.00E+00	8.54E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09	8.75E-10	0.00E+00	0.00E+00	0.00E+00	8.75E-10
2815	380540.12	3734807.69	8.59E-09	0.00E+00	0.00E+00	0.00E+00	8.59E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09	8.80E-10	0.00E+00	0.00E+00	0.00E+00	8.80E-10
2816	380550.12	3734807.69	8.63E-09	0.00E+00	0.00E+00	0.00E+00	8.63E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09	8.84E-10	0.00E+00	0.00E+00	0.00E+00	8.84E-10
2817	380560.12	3734807.69	8.68E-09	0.00E+00	0.00E+00	0.00E+00	8.68E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09	8.89E-10	0.00E+00	0.00E+00	0.00E+00	8.89E-10
2818	380570.12	3734807.69	8.72E-09	0.00E+00	0.00E+00	0.00E+00	8.72E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09	8.94E-10	0.00E+00	0.00E+00	0.00E+00	8.94E-10
2819	380580.12	3734807.69	8.78E-09	0.00E+00	0.00E+00	0.00E+00	8.78E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09	8.99E-10	0.00E+00	0.00E+00	0.00E+00	8.99E-10
2820	380590.12	3734807.69	8.83E-09	0.00E+00	0.00E+00	0.00E+00	8.83E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09	9.04E-10	0.00E+00	0.00E+00	0.00E+00	9.04E-10
2821	380600.12	3734807.69	8.88E-09	0.00E+00	0.00E+00	0.00E+00	8.88E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09	9.10E-10	0.00E+00	0.00E+00	0.00E+00	9.10E-10
2822	380610.12	3734807.69	8.92E-09	0.00E+00	0.00E+00	0.00E+00	8.92E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09	9.14E-10	0.00E+00	0.00E+00	0.00E+00	9.14E-10
2823	380620.12	3734807.69	8.97E-09	0.00E+00	0.00E+00	0.00E+00	8.97E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09	9.19E-10	0.00E+00	0.00E+00	0.00E+00	9.19E-10
2824	380630.12	3734807.69	9.01E-09	0.00E+00	0.00E+00	0.00E+00	9.01E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09	9.23E-10	0.00E+00	0.00E+00	0.00E+00	9.23E-10
2825	380640.12	3734807.69	9.07E-09	0.00E+00	0.00E+00	0.00E+00	9.07E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09	9.29E-10	0.00E+00	0.00E+00	0.00E+00	9.29E-10
2826	380650.12	3734807.69	9.12E-09	0.00E+00	0.00E+00	0.00E+00	9.12E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09	9.34E-10	0.00E+00	0.00E+00	0.00E+00	9.34E-10
2827	380660.12	3734807.69	9.17E-09	0.00E+00	0.00E+00	0.00E+00	9.17E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09	9.39E-10	0.00E+00	0.00E+00	0.00E+00	9.39E-10
2828	380670.12	3734807.69	9.22E-09	0.00E+00	0.00E+00	0.00E+00	9.22E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09	9.45E-10	0.00E+00	0.00E+00	0.00E+00	9.45E-10
2829	380680.12	3734807.69	9.28E-09	0.00E+00	0.00E+00	0.00E+00	9.28E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09	9.50E-10	0.00E+00	0.00E+00	0.00E+00	9.50E-10
2830	380690.12	3734807.69	9.33E-09	0.00E+00	0.00E+00	0.00E+00	9.33E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09	9.56E-10	0.00E+00	0.00E+00	0.00E+00	9.56E-10
2831	380700.12	3734807.69	9.38E-09	0.00E+00	0.00E+00	0.00E+00	9.38E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09	9.61E-10	0.00E+00	0.00E+00	0.00E+00	9.61E-10

2832	380710.12	3734807.69	9.42E-09	0.00E+00	0.00E+00	0.00E+00	9.42E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09	9.65E-10	0.00E+00	0.00E+00	0.00E+00	9.65E-10
2833	380720.12	3734807.69	9.47E-09	0.00E+00	0.00E+00	0.00E+00	9.47E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09	9.70E-10	0.00E+00	0.00E+00	0.00E+00	9.70E-10
2834	380730.12	3734807.69	9.51E-09	0.00E+00	0.00E+00	0.00E+00	9.51E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09	9.74E-10	0.00E+00	0.00E+00	0.00E+00	9.74E-10
2835	380740.12	3734807.69	9.57E-09	0.00E+00	0.00E+00	0.00E+00	9.57E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09	9.80E-10	0.00E+00	0.00E+00	0.00E+00	9.80E-10
2836	380750.12	3734807.69	9.61E-09	0.00E+00	0.00E+00	0.00E+00	9.61E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09	9.84E-10	0.00E+00	0.00E+00	0.00E+00	9.84E-10
2837	380760.12	3734807.69	9.66E-09	0.00E+00	0.00E+00	0.00E+00	9.66E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09	9.89E-10	0.00E+00	0.00E+00	0.00E+00	9.89E-10
2838	380770.12	3734807.69	9.70E-09	0.00E+00	0.00E+00	0.00E+00	9.70E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09	9.93E-10	0.00E+00	0.00E+00	0.00E+00	9.93E-10
2839	380780.12	3734807.69	9.75E-09	0.00E+00	0.00E+00	0.00E+00	9.75E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09	9.99E-10	0.00E+00	0.00E+00	0.00E+00	9.99E-10
2840	380790.12	3734807.69	9.80E-09	0.00E+00	0.00E+00	0.00E+00	9.80E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09	1.00E-09	0.00E+00	0.00E+00	0.00E+00	1.00E-09
2841	380800.12	3734807.69	9.86E-09	0.00E+00	0.00E+00	0.00E+00	9.86E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
2842	380810.12	3734807.69	9.91E-09	0.00E+00	0.00E+00	0.00E+00	9.91E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
2843	380820.12	3734807.69	9.98E-09	0.00E+00	0.00E+00	0.00E+00	9.98E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
2844	380830.12	3734807.69	1.00E-08	0.00E+00	0.00E+00	0.00E+00	1.00E-08	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
2845	380840.12	3734807.69	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
2846	380850.12	3734807.69	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
2847	380860.12	3734807.69	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
2848	380870.12	3734807.69	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
2849	380880.12	3734807.69	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
2850	380890.12	3734807.69	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
2851	380900.12	3734807.69	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
2852	380910.12	3734807.69	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
2853	380920.12	3734807.69	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
2854	380930.12	3734807.69	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
2855	380940.12	3734807.69	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
2856	380950.12	3734807.69	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
2857	380960.12	3734807.69	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
2858	380970.12	3734807.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
2859	380980.12	3734807.69	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
2860	380990.12	3734807.69	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
2861	381000.12	3734807.69	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
2862	381010.12	3734807.69	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
2863	381020.12	3734807.69	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
2864	381030.12	3734807.69	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
2865	381040.12	3734807.69	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
2866	381050.12	3734807.69	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
2867	381060.12	3734807.69	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
2868	381070.12	3734807.69	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
2869	381080.12	3734807.69	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.81E-09	0.00E+00	0.00E+00	0.00E+00	1.81E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
2870	381090.12	3734807.69	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
2871	381100.12	3734807.69	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
2872	381110.12	3734807.69	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
2873	381120.12	3734807.69	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
2874	381130.12	3734807.69	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
2875	381140.12	3734807.69	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
2876	381150.12	3734807.69	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
2877	381160.12	3734807.69	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.90E-09	0.00E+00	0.00E+00	0.00E+00	1.90E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
2878	381170.12	3734807.69	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
2879	381180.12	3734807.69	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
2880	381190.12	3734807.69	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
2881	381200.12	3734807.69	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
2882	381210.12	3734807.69	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
2883	381220.12	3734807.69	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
2884	381230.12	3734807.69	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
2885	381240.12	3734807.69	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
2886	381250.12	3734807.69	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
2887	381260.12	3734807.69	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
2888	381270.12	3734807.69	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
2889	381280.12	3734807.69	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
2890	381290.12	3734807.69	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
2891	381300.12	3734807.69	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.03E-09	0.00E+00	0.00E+00	0.00E+00	2.03E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
2892	381310.12	3734807.69	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
2893	381320.12	3734807.69	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
2894	381330.12	3734807.69	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
2895	381340.12	3734807.69	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.07E-09	0.00E+00	0.00E+00	0.00E+00	2.07E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
2896	381350.12	3734807.69	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.08E-09	0.00E+00	0.00E+00	0.00E+00	2.08E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
2897	381360.12	3734807.69	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.09E-09	0.00E+00	0.00E+00	0.00E+00	2.09E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
2898	381370.12	3734807.69	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.11E-09	0.00E+00	0.00E+00	0.00E+00	2.11E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09
2899	381380.12	3734807.69	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.13E-09	0.00E+00	0.00E+00	0.00E+00	2.13E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
2900	381390.12	3734807.69	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.15E-09	0.00E+00	0.00E+00	0.00E+00	2.15E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
2901	381400.12	3734807.69	1.40E-08	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.16E-09	0.00E+00	0.00E+00	0.00E+00	2.16E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09
2902	381410.12	3734807.69	1.41E-08	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.17E-09	0.00E+00	0.00E+00	0.00E+00	2.17E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09
2903	381420.12	3734807.69	1.41E-08	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.18E-09	0.00E+00	0.00E+00	0.00E+00	2.18E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09
2904	381430.12	3734807.69	1.42E-08	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.18E-09	0.00E+00	0.00E+00	0.00E+00	2.18E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09
2905	381440.12	3734807.69	1.42E-08	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.19E-09	0.00E+00	0.00E+00	0.00E+00	2.19E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09
2906	380320.12	3734817.69	7.54E-09	0.00E+00	0.00E+00	0.00E+00	7.54E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09	7.72E-10	0.00E+00	0.00E+00	0.00E+00	7.72E-10
2907	380330.12	3734817.69	7.59E-09	0.00E+00	0.00E+00	0.00E+00	7.59E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09	7.77E-10	0.00E+00	0.00E+00	0.00E+00	7.77E-10
2908	380340.12	3734817.69	7.64E-09	0.00E+00	0.00E+00	0.00E+00	7.64E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09	7.83E-10	0.00E+00	0.00E+00	0.00E+00	7.83E-10
2909	380350.12	3734817.69	7.70E-09	0.00E+00	0.00E+00	0.00E+00	7.70E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09	7.88E-10	0.00E+00	0.00E+00	0.00E+00	7.88E-10
2910	380360.12	3734817.69	7.75E-09	0.00E+00	0.00E+00	0.00E+00	7.75E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09	7.94E-10	0.00E+00	0.00E+00	0.00E+00	7.94E-10
2911	380370.12	3734817.69	7.79E-09	0.00E+00	0.00E+00	0.00E+00	7.79E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09	7.98E-10	0.00E+00	0.00E+00	0.00E+00	7.98E-10
2912	380380.12	3734817.69	7.84E-09	0.00E+00	0.00E+00	0.00E+00	7.84E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09	8.03E-10	0.00E+00	0.00E+00	0.00E+00	8.03E-10
2913	380390.12	3734817.69	7.89E-09	0.00E+00	0.00E+00	0.00E+00	7.89E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09	8.08E-10	0.00E+00	0.00E+00	0.00E+00	8.08E-10
2914	380400.12	3734817.69	7.95E-09	0.00E+00	0.00E+00	0.00E+00	7.95E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09	8.14E-10	0.00E+00	0.00E+00	0.00E+00	8.14E-10
2915	380410.12	3734817.69	8.01E-09	0.00E+00	0.00E+00	0.00E+00	8.01E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09	8.21E-10	0.00E+00	0.00E+00	0.00E+00	8.21E-10
2916	380420.12	3734817.69	8.06E-09	0.00E+00	0.00E+00	0.00E+00	8.06E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09	8.26E-10	0.00E+00	0.00E+00	0.00E+00	8.26E-10
2917	380430.12	3734817.69	8.12E-09	0.00E+00	0.00E+00	0.00E+00	8.12E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09	8.31E-10	0.00E+00	0.00E+00	0.00E+00	8.31E-10
2918	380440.12	3734817.69	8.17E-09	0.00E+00	0.00E+00	0.00E+00	8.17E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09	8.37E-10	0.00E+00	0.00E+00	0.00E+00	8.37E-10
2919	380450.12	3734817.69	8.21E-09	0.00E+00	0.00E+00	0.00E+00	8.21E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09	8.41E-10	0.00E+00	0.00E+00	0.00E+00	8.41E-10
2920	380460.12	3734817.69	8.26E-09	0.00E+00	0.00E+00	0.00E+00	8.26E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09	8.46E-10	0.00E+00	0.00E+00	0.00E+00	8.46E-10
2921	380470.12	3734817.69	8.32E-09	0.00E+00	0.00E+00	0.00E+00	8.32E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09	8.52E-10	0.00E+00	0.00E+00	0.00E+00	8.52E-10
2922	380480.12	3734817.69	8.37E-09	0.00E+00	0.00E+00	0.00E+00	8.37E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09	8.57E-10	0.00E+00	0.00E+00	0.00E+00	8.57E-10
2923	380490.12	3734817.69	8.42E-09	0.00E+00	0.00E+00	0.00E+00	8.42E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09	8.62E-10	0.00E+00	0.00E+00	0.00E+00	8.62E-10
2924	380500.12	3734817.69	8.46E-09	0.00E+00	0.00E+00	0.00E+00	8.46E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09	8.67E-10	0.00E+00	0.00E+00	0.00E+00	8.67E-10
2925	380510.12	3734817.69	8.50E-09	0.00E+00	0.00E+00	0.00E+00	8.50E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09	8.71E-10	0.00E+00	0.00E+00	0.00E+00	8.71E-10
2926	380520.12	3734817.69	8.54E-09	0.00E+00	0.00E+00	0.00E+00	8.54E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09	8.75E-10	0.00E+00	0.00E+00	0.00E+00	8.75E-10
2927	380530.12	3734817.69	8.59E-09	0.00E+00	0.00E+00	0.00E+00	8.59E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09	8.80E-10	0.00E+00	0.00E+00	0.00E+00	8.80E-10
2928	380540.12	3734817.69	8.64E-09	0.00E+00	0.00E+00	0.00E+00	8.64E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09	8.85E-10	0.00E+00	0.00E+00	0.00E+00	8.85E-10
2929	380550.12	3734817.69	8.68E-09	0.00E+00	0.00E+00	0.00E+00	8.68E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09	8.89E-10	0.00E+00	0.00E+00	0.00E+00	8.89E-10
2930	380560.12	3734817.69	8.74E-09	0.00E+00	0.00E+00	0.00E+00	8.74E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09	8.95E-10	0.00E+00	0.00E+00	0.00E+00	8.95E-10
2931	380570.12	3734817.69	8.79E-09	0.00E+00	0.00E+00	0.00E+00	8.79E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09	9.00E-10	0.00E+00	0.00E+00	0.00E+00	9.00E-10
2932	380580.12	3734817.69	8.83E-09	0.00E+00	0.00E+00	0.00E+00	8.83E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09	9.04E-10	0.00E+00	0.00E+00	0.00E+00	9.04E-10
2933	380590.12	3734817.69	8.88E-09	0.00E+00	0.00E+00	0.00E+00	8.88E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09	9.10E-10	0.00E+00	0.00E+00	0.00E+00	9.10E-10
2934	380600.12	3734817.69	8.93E-09	0.00E+00	0.00E+00	0.00E+00	8.93E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09	9.15E-10	0.00E+00	0.00E+00	0.00E+00	9.15E-10
2935	380610.12	3734817.69	8.99E-09	0.00E+00	0.00E+00	0.00E+00	8.99E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09	9.21E-10	0.00E+00	0.00E+00	0.00E+00	9.21E-10
2936	380620.12	3734817.69	9.03E-09	0.00E+00	0.00E+00	0.00E+00	9.03E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09	9.25E-10	0.00E+00	0.00E+00	0.00E+00	9.25E-10

2937	380630.12	3734817.69	9.08E-09	0.00E+00	0.00E+00	0.00E+00	9.08E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09	9.30E-10	0.00E+00	0.00E+00	0.00E+00	9.30E-10
2938	380640.12	3734817.69	9.13E-09	0.00E+00	0.00E+00	0.00E+00	9.13E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09	9.35E-10	0.00E+00	0.00E+00	0.00E+00	9.35E-10
2939	380650.12	3734817.69	9.18E-09	0.00E+00	0.00E+00	0.00E+00	9.18E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09	9.41E-10	0.00E+00	0.00E+00	0.00E+00	9.41E-10
2940	380660.12	3734817.69	9.24E-09	0.00E+00	0.00E+00	0.00E+00	9.24E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09	9.46E-10	0.00E+00	0.00E+00	0.00E+00	9.46E-10
2941	380670.12	3734817.69	9.30E-09	0.00E+00	0.00E+00	0.00E+00	9.30E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09	9.53E-10	0.00E+00	0.00E+00	0.00E+00	9.53E-10
2942	380680.12	3734817.69	9.34E-09	0.00E+00	0.00E+00	0.00E+00	9.34E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09	9.57E-10	0.00E+00	0.00E+00	0.00E+00	9.57E-10
2943	380690.12	3734817.69	9.40E-09	0.00E+00	0.00E+00	0.00E+00	9.40E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09	9.62E-10	0.00E+00	0.00E+00	0.00E+00	9.62E-10
2944	380700.12	3734817.69	9.44E-09	0.00E+00	0.00E+00	0.00E+00	9.44E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09	9.66E-10	0.00E+00	0.00E+00	0.00E+00	9.66E-10
2945	380710.12	3734817.69	9.49E-09	0.00E+00	0.00E+00	0.00E+00	9.49E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09	9.72E-10	0.00E+00	0.00E+00	0.00E+00	9.72E-10
2946	380720.12	3734817.69	9.53E-09	0.00E+00	0.00E+00	0.00E+00	9.53E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09	9.76E-10	0.00E+00	0.00E+00	0.00E+00	9.76E-10
2947	380730.12	3734817.69	9.58E-09	0.00E+00	0.00E+00	0.00E+00	9.58E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09	9.81E-10	0.00E+00	0.00E+00	0.00E+00	9.81E-10
2948	380740.12	3734817.69	9.62E-09	0.00E+00	0.00E+00	0.00E+00	9.62E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09	9.85E-10	0.00E+00	0.00E+00	0.00E+00	9.85E-10
2949	380750.12	3734817.69	9.67E-09	0.00E+00	0.00E+00	0.00E+00	9.67E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09	9.91E-10	0.00E+00	0.00E+00	0.00E+00	9.91E-10
2950	380760.12	3734817.69	9.71E-09	0.00E+00	0.00E+00	0.00E+00	9.71E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09	9.95E-10	0.00E+00	0.00E+00	0.00E+00	9.95E-10
2951	380770.12	3734817.69	9.76E-09	0.00E+00	0.00E+00	0.00E+00	9.76E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09	1.00E-09	0.00E+00	0.00E+00	0.00E+00	1.00E-09
2952	380780.12	3734817.69	9.82E-09	0.00E+00	0.00E+00	0.00E+00	9.82E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
2953	380790.12	3734817.69	9.87E-09	0.00E+00	0.00E+00	0.00E+00	9.87E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
2954	380800.12	3734817.69	9.92E-09	0.00E+00	0.00E+00	0.00E+00	9.92E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
2955	380810.12	3734817.69	9.99E-09	0.00E+00	0.00E+00	0.00E+00	9.99E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
2956	380820.12	3734817.69	1.00E-08	0.00E+00	0.00E+00	0.00E+00	1.00E-08	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
2957	380830.12	3734817.69	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
2958	380840.12	3734817.69	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
2959	380850.12	3734817.69	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
2960	380860.12	3734817.69	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
2961	380870.12	3734817.69	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
2962	380880.12	3734817.69	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
2963	380890.12	3734817.69	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
2964	380900.12	3734817.69	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
2965	380910.12	3734817.69	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
2966	380920.12	3734817.69	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
2967	380930.12	3734817.69	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
2968	380940.12	3734817.69	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
2969	380950.12	3734817.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
2970	380960.12	3734817.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
2971	380970.12	3734817.69	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
2972	380980.12	3734817.69	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
2973	380990.12	3734817.69	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
2974	381000.12	3734817.69	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
2975	381010.12	3734817.69	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
2976	381020.12	3734817.69	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
2977	381030.12	3734817.69	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
2978	381040.12	3734817.69	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
2979	381050.12	3734817.69	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
2980	381060.12	3734817.69	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.81E-09	0.00E+00	0.00E+00	0.00E+00	1.81E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
2981	381070.12	3734817.69	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
2982	381080.12	3734817.69	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
2983	381090.12	3734817.69	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
2984	381100.12	3734817.69	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
2985	381110.12	3734817.69	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
2986	381120.12	3734817.69	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
2987	381130.12	3734817.69	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
2988	381140.12	3734817.69	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
2989	381150.12	3734817.69	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.90E-09	0.00E+00	0.00E+00	0.00E+00	1.90E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
2990	381160.12	3734817.69	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
2991	381170.12	3734817.69	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
2992	381180.12	3734817.69	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
2993	381190.12	3734817.69	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
2994	381200.12	3734817.69	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
2995	381210.12	3734817.69	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
2996	381220.12	3734817.69	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
2997	381230.12	3734817.69	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
2998	381240.12	3734817.69	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
2999	381250.12	3734817.69	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
3000	381260.12	3734817.69	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
3001	381270.12	3734817.69	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
3002	381280.12	3734817.69	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.03E-09	0.00E+00	0.00E+00	0.00E+00	2.03E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
3003	381290.12	3734817.69	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
3004	381300.12	3734817.69	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
3005	381310.12	3734817.69	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.06E-09	0.00E+00	0.00E+00	0.00E+00	2.06E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
3006	381320.12	3734817.69	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.06E-09	0.00E+00	0.00E+00	0.00E+00	2.06E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
3007	381330.12	3734817.69	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.07E-09	0.00E+00	0.00E+00	0.00E+00	2.07E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
3008	381340.12	3734817.69	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.08E-09	0.00E+00	0.00E+00	0.00E+00	2.08E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
3009	381350.12	3734817.69	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.10E-09	0.00E+00	0.00E+00	0.00E+00	2.10E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
3010	381360.12	3734817.69	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.11E-09	0.00E+00	0.00E+00	0.00E+00	2.11E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09
3011	381370.12	3734817.69	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.13E-09	0.00E+00	0.00E+00	0.00E+00	2.13E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
3012	381380.12	3734817.69	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.15E-09	0.00E+00	0.00E+00	0.00E+00	2.15E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
3013	381390.12	3734817.69	1.41E-08	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.17E-09	0.00E+00	0.00E+00	0.00E+00	2.17E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09
3014	381400.12	3734817.69	1.42E-08	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.18E-09	0.00E+00	0.00E+00	0.00E+00	2.18E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09
3015	380330.12	3734827.69	7.64E-09	0.00E+00	0.00E+00	0.00E+00	7.64E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09	7.83E-10	0.00E+00	0.00E+00	0.00E+00	7.83E-10
3016	380340.12	3734827.69	7.68E-09	0.00E+00	0.00E+00	0.00E+00	7.68E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09	7.87E-10	0.00E+00	0.00E+00	0.00E+00	7.87E-10
3017	380350.12	3734827.69	7.74E-09	0.00E+00	0.00E+00	0.00E+00	7.74E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09	7.92E-10	0.00E+00	0.00E+00	0.00E+00	7.92E-10
3018	380360.12	3734827.69	7.79E-09	0.00E+00	0.00E+00	0.00E+00	7.79E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09	7.98E-10	0.00E+00	0.00E+00	0.00E+00	7.98E-10
3019	380370.12	3734827.69	7.84E-09	0.00E+00	0.00E+00	0.00E+00	7.84E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09	8.03E-10	0.00E+00	0.00E+00	0.00E+00	8.03E-10
3020	380380.12	3734827.69	7.89E-09	0.00E+00	0.00E+00	0.00E+00	7.89E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09	8.08E-10	0.00E+00	0.00E+00	0.00E+00	8.08E-10
3021	380390.12	3734827.69	7.95E-09	0.00E+00	0.00E+00	0.00E+00	7.95E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09	8.14E-10	0.00E+00	0.00E+00	0.00E+00	8.14E-10
3022	380400.12	3734827.69	7.99E-09	0.00E+00	0.00E+00	0.00E+00	7.99E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09	8.18E-10	0.00E+00	0.00E+00	0.00E+00	8.18E-10
3023	380410.12	3734827.69	8.05E-09	0.00E+00	0.00E+00	0.00E+00	8.05E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09	8.25E-10	0.00E+00	0.00E+00	0.00E+00	8.25E-10
3024	380420.12	3734827.69	8.10E-09	0.00E+00	0.00E+00	0.00E+00	8.10E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09	8.30E-10	0.00E+00	0.00E+00	0.00E+00	8.30E-10
3025	380430.12	3734827.69	8.16E-09	0.00E+00	0.00E+00	0.00E+00	8.16E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09	8.35E-10	0.00E+00	0.00E+00	0.00E+00	8.35E-10
3026	380440.12	3734827.69	8.21E-09	0.00E+00	0.00E+00	0.00E+00	8.21E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09	8.41E-10	0.00E+00	0.00E+00	0.00E+00	8.41E-10
3027	380450.12	3734827.69	8.26E-09	0.00E+00	0.00E+00	0.00E+00	8.26E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09	8.46E-10	0.00E+00	0.00E+00	0.00E+00	8.46E-10
3028	380460.12	3734827.69	8.30E-09	0.00E+00	0.00E+00	0.00E+00	8.30E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09	8.50E-10	0.00E+00	0.00E+00	0.00E+00	8.50E-10
3029	380470.12	3734827.69	8.35E-09	0.00E+00	0.00E+00	0.00E+00	8.35E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09	8.56E-10	0.00E+00	0.00E+00	0.00E+00	8.56E-10
3030	380480.12	3734827.69	8.42E-09	0.00E+00	0.00E+00	0.00E+00	8.42E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09	8.62E-10	0.00E+00	0.00E+00	0.00E+00	8.62E-10
3031	380490.12	3734827.69	8.47E-09	0.00E+00	0.00E+00	0.00E+00	8.47E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09	8.68E-10	0.00E+00	0.00E+00	0.00E+00	8.68E-10
3032	380500.12	3734827.69	8.51E-09	0.00E+00	0.00E+00	0.00E+00	8.51E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09	8.72E-10	0.00E+00	0.00E+00	0.00E+00	8.72E-10
3033	380510.12	3734827.69	8.55E-09	0.00E+00	0.00E+00	0.00E+00	8.55E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09	8.76E-10	0.00E+00	0.00E+00	0.00E+00	8.76E-10
3034	380520.12	3734827.69	8.61E-09	0.00E+00	0.00E+00	0.00E+00	8.61E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09	8.81E-10	0.00E+00	0.00E+00	0.00E+00	8.81E-10
3035	380530.12	3734827.69	8.64E-09	0.00E+00	0.00E+00	0.00E+00	8.64E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09	8.85E-10	0.00E+00	0.00E+00	0.00E+00	8.85E-10
3036	380540.12	3734827.69	8.70E-09	0.00E+00	0.00E+00	0.00E+00	8.70E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09	8.91E-10	0.00E+00	0.00E+00	0.00E+00	8.91E-10
3037	380550.12	3734827.69	8.75E-09	0.00E+00	0.00E+00	0.00E+00	8.75E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09	8.96E-10	0.00E+00	0.00E+00	0.00E+00	8.96E-10
3038	380560.12	3734827.69	8.79E-09	0.00E+00	0.00E+00	0.00E+00	8.79E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09	9.00E-10	0.00E+00	0.00E+00	0.00E+00	9.00E-10
3039	380570.12	3734827.69	8.84E-09	0.00E+00	0.00E+00	0.00E+00	8.84E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09	9.06E-10	0.00E+00	0.00E+00	0.00E+00	9.06E-10
3040	380580.12	3734827.69	8.89E-09	0.00E+00	0.00E+00	0.00E+00	8.89E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09	9.11E-10	0.00E+00	0.00E+00	0.00E+00	9.11E-10
3041	380590.12	3734827.69	8.95E-09	0.00E+00	0.00E+00	0.00E+00	8.95E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09	9.16E-10	0.00E+00	0.00E+00	0.00E+00	9.16E-10

3042	380600.12	3734827.69	9.00E-09	0.00E+00	0.00E+00	0.00E+00	9.00E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09	9.22E-10	0.00E+00	0.00E+00	0.00E+00	9.22E-10
3043	380610.12	3734827.69	9.05E-09	0.00E+00	0.00E+00	0.00E+00	9.05E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09	9.27E-10	0.00E+00	0.00E+00	0.00E+00	9.27E-10
3044	380620.12	3734827.69	9.11E-09	0.00E+00	0.00E+00	0.00E+00	9.11E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09	9.33E-10	0.00E+00	0.00E+00	0.00E+00	9.33E-10
3045	380630.12	3734827.69	9.15E-09	0.00E+00	0.00E+00	0.00E+00	9.15E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09	9.37E-10	0.00E+00	0.00E+00	0.00E+00	9.37E-10
3046	380640.12	3734827.69	9.20E-09	0.00E+00	0.00E+00	0.00E+00	9.20E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09	9.42E-10	0.00E+00	0.00E+00	0.00E+00	9.42E-10
3047	380650.12	3734827.69	9.25E-09	0.00E+00	0.00E+00	0.00E+00	9.25E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09	9.48E-10	0.00E+00	0.00E+00	0.00E+00	9.48E-10
3048	380660.12	3734827.69	9.30E-09	0.00E+00	0.00E+00	0.00E+00	9.30E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09	9.53E-10	0.00E+00	0.00E+00	0.00E+00	9.53E-10
3049	380670.12	3734827.69	9.37E-09	0.00E+00	0.00E+00	0.00E+00	9.37E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09	9.60E-10	0.00E+00	0.00E+00	0.00E+00	9.60E-10
3050	380680.12	3734827.69	9.41E-09	0.00E+00	0.00E+00	0.00E+00	9.41E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09	9.64E-10	0.00E+00	0.00E+00	0.00E+00	9.64E-10
3051	380690.12	3734827.69	9.46E-09	0.00E+00	0.00E+00	0.00E+00	9.46E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09	9.69E-10	0.00E+00	0.00E+00	0.00E+00	9.69E-10
3052	380700.12	3734827.69	9.51E-09	0.00E+00	0.00E+00	0.00E+00	9.51E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09	9.74E-10	0.00E+00	0.00E+00	0.00E+00	9.74E-10
3053	380710.12	3734827.69	9.55E-09	0.00E+00	0.00E+00	0.00E+00	9.55E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09	9.79E-10	0.00E+00	0.00E+00	0.00E+00	9.79E-10
3054	380720.12	3734827.69	9.61E-09	0.00E+00	0.00E+00	0.00E+00	9.61E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09	9.84E-10	0.00E+00	0.00E+00	0.00E+00	9.84E-10
3055	380730.12	3734827.69	9.65E-09	0.00E+00	0.00E+00	0.00E+00	9.65E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09	9.88E-10	0.00E+00	0.00E+00	0.00E+00	9.88E-10
3056	380740.12	3734827.69	9.70E-09	0.00E+00	0.00E+00	0.00E+00	9.70E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09	9.93E-10	0.00E+00	0.00E+00	0.00E+00	9.93E-10
3057	380750.12	3734827.69	9.75E-09	0.00E+00	0.00E+00	0.00E+00	9.75E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09	9.99E-10	0.00E+00	0.00E+00	0.00E+00	9.99E-10
3058	380760.12	3734827.69	9.79E-09	0.00E+00	0.00E+00	0.00E+00	9.79E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09	1.00E-09	0.00E+00	0.00E+00	0.00E+00	1.00E-09
3059	380770.12	3734827.69	9.84E-09	0.00E+00	0.00E+00	0.00E+00	9.84E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
3060	380780.12	3734827.69	9.90E-09	0.00E+00	0.00E+00	0.00E+00	9.90E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
3061	380790.12	3734827.69	9.95E-09	0.00E+00	0.00E+00	0.00E+00	9.95E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
3062	380800.12	3734827.69	1.00E-08	0.00E+00	0.00E+00	0.00E+00	1.00E-08	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
3063	380810.12	3734827.69	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
3064	380820.12	3734827.69	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
3065	380830.12	3734827.69	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
3066	380840.12	3734827.69	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
3067	380850.12	3734827.69	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
3068	380860.12	3734827.69	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
3069	380870.12	3734827.69	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
3070	380880.12	3734827.69	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
3071	380890.12	3734827.69	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
3072	380900.12	3734827.69	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
3073	380910.12	3734827.69	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
3074	380920.12	3734827.69	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
3075	380930.12	3734827.69	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
3076	380940.12	3734827.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
3077	380950.12	3734827.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
3078	380960.12	3734827.69	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
3079	380970.12	3734827.69	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
3080	380980.12	3734827.69	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
3081	380990.12	3734827.69	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
3082	381000.12	3734827.69	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
3083	381010.12	3734827.69	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
3084	381020.12	3734827.69	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
3085	381030.12	3734827.69	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
3086	381040.12	3734827.69	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.81E-09	0.00E+00	0.00E+00	0.00E+00	1.81E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
3087	381050.12	3734827.69	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
3088	381060.12	3734827.69	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
3089	381070.12	3734827.69	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
3090	381080.12	3734827.69	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
3091	381090.12	3734827.69	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
3092	381100.12	3734827.69	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
3093	381110.12	3734827.69	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
3094	381120.12	3734827.69	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
3095	381130.12	3734827.69	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.90E-09	0.00E+00	0.00E+00	0.00E+00	1.90E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
3096	381140.12	3734827.69	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
3097	381150.12	3734827.69	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
3098	381160.12	3734827.69	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
3099	381170.12	3734827.69	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
3100	381180.12	3734827.69	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
3101	381190.12	3734827.69	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
3102	381200.12	3734827.69	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
3103	381210.12	3734827.69	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
3104	381220.12	3734827.69	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
3105	381230.12	3734827.69	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
3106	381240.12	3734827.69	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
3107	381250.12	3734827.69	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
3108	381260.12	3734827.69	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.03E-09	0.00E+00	0.00E+00	0.00E+00	2.03E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
3109	381270.12	3734827.69	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
3110	381280.12	3734827.69	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
3111	381290.12	3734827.69	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.06E-09	0.00E+00	0.00E+00	0.00E+00	2.06E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
3112	381300.12	3734827.69	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.07E-09	0.00E+00	0.00E+00	0.00E+00	2.07E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
3113	381310.12	3734827.69	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.08E-09	0.00E+00	0.00E+00	0.00E+00	2.08E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
3114	381320.12	3734827.69	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.08E-09	0.00E+00	0.00E+00	0.00E+00	2.08E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
3115	381330.12	3734827.69	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.09E-09	0.00E+00	0.00E+00	0.00E+00	2.09E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
3116	381340.12	3734827.69	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.11E-09	0.00E+00	0.00E+00	0.00E+00	2.11E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09
3117	380340.12	3734837.69	7.74E-09	0.00E+00	0.00E+00	0.00E+00	7.74E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09	7.92E-10	0.00E+00	0.00E+00	0.00E+00	7.92E-10
3118	380350.12	3734837.69	7.79E-09	0.00E+00	0.00E+00	0.00E+00	7.79E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09	7.98E-10	0.00E+00	0.00E+00	0.00E+00	7.98E-10
3119	380360.12	3734837.69	7.83E-09	0.00E+00	0.00E+00	0.00E+00	7.83E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09	8.02E-10	0.00E+00	0.00E+00	0.00E+00	8.02E-10
3120	380370.12	3734837.69	7.88E-09	0.00E+00	0.00E+00	0.00E+00	7.88E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09	8.07E-10	0.00E+00	0.00E+00	0.00E+00	8.07E-10
3121	380380.12	3734837.69	7.93E-09	0.00E+00	0.00E+00	0.00E+00	7.93E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09	8.13E-10	0.00E+00	0.00E+00	0.00E+00	8.13E-10
3122	380390.12	3734837.69	7.99E-09	0.00E+00	0.00E+00	0.00E+00	7.99E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09	8.18E-10	0.00E+00	0.00E+00	0.00E+00	8.18E-10
3123	380400.12	3734837.69	8.04E-09	0.00E+00	0.00E+00	0.00E+00	8.04E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09	8.23E-10	0.00E+00	0.00E+00	0.00E+00	8.23E-10
3124	380410.12	3734837.69	8.09E-09	0.00E+00	0.00E+00	0.00E+00	8.09E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09	8.29E-10	0.00E+00	0.00E+00	0.00E+00	8.29E-10
3125	380420.12	3734837.69	8.14E-09	0.00E+00	0.00E+00	0.00E+00	8.14E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09	8.34E-10	0.00E+00	0.00E+00	0.00E+00	8.34E-10
3126	380430.12	3734837.69	8.20E-09	0.00E+00	0.00E+00	0.00E+00	8.20E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09	8.40E-10	0.00E+00	0.00E+00	0.00E+00	8.40E-10
3127	380440.12	3734837.69	8.25E-09	0.00E+00	0.00E+00	0.00E+00	8.25E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09	8.45E-10	0.00E+00	0.00E+00	0.00E+00	8.45E-10
3128	380450.12	3734837.69	8.29E-09	0.00E+00	0.00E+00	0.00E+00	8.29E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09	8.49E-10	0.00E+00	0.00E+00	0.00E+00	8.49E-10
3129	380460.12	3734837.69	8.34E-09	0.00E+00	0.00E+00	0.00E+00	8.34E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09	8.54E-10	0.00E+00	0.00E+00	0.00E+00	8.54E-10
3130	380470.12	3734837.69	8.41E-09	0.00E+00	0.00E+00	0.00E+00	8.41E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09	8.61E-10	0.00E+00	0.00E+00	0.00E+00	8.61E-10
3131	380480.12	3734837.69	8.46E-09	0.00E+00	0.00E+00	0.00E+00	8.46E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09	8.67E-10	0.00E+00	0.00E+00	0.00E+00	8.67E-10
3132	380490.12	3734837.69	8.51E-09	0.00E+00	0.00E+00	0.00E+00	8.51E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09	8.72E-10	0.00E+00	0.00E+00	0.00E+00	8.72E-10
3133	380500.12	3734837.69	8.57E-09	0.00E+00	0.00E+00	0.00E+00	8.57E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09	8.77E-10	0.00E+00	0.00E+00	0.00E+00	8.77E-10
3134	380510.12	3734837.69	8.62E-09	0.00E+00	0.00E+00	0.00E+00	8.62E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09	8.83E-10	0.00E+00	0.00E+00	0.00E+00	8.83E-10
3135	380520.12	3734837.69	8.66E-09	0.00E+00	0.00E+00	0.00E+00	8.66E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09	8.87E-10	0.00E+00	0.00E+00	0.00E+00	8.87E-10
3136	380530.12	3734837.69	8.71E-09	0.00E+00	0.00E+00	0.00E+00	8.71E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09	8.92E-10	0.00E+00	0.00E+00	0.00E+00	8.92E-10
3137	380540.12	3734837.69	8.76E-09	0.00E+00	0.00E+00	0.00E+00	8.76E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09	8.98E-10	0.00E+00	0.00E+00	0.00E+00	8.98E-10
3138	380550.12	3734837.69	8.82E-09	0.00E+00	0.00E+00	0.00E+00	8.82E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09	9.03E-10	0.00E+00	0.00E+00	0.00E+00	9.03E-10
3139	380560.12	3734837.69	8.86E-09	0.00E+00	0.00E+00	0.00E+00	8.86E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09	9.07E-10	0.00E+00	0.00E+00	0.00E+00	9.07E-10
3140	380570.12	3734837.69	8.91E-09	0.00E+00	0.00E+00	0.00E+00	8.91E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09	9.12E-10	0.00E+00	0.00E+00	0.00E+00	9.12E-10
3141	380580.12	3734837.69	8.96E-09	0.00E+00	0.00E+00	0.00E+00	8.96E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09	9.18E-10	0.00E+00	0.00E+00	0.00E+00	9.18E-10
3142	380590.12	3734837.69	9.01E-09	0.00E+00	0.00E+00	0.00E+00	9.01E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09	9.23E-10	0.00E+00	0.00E+00	0.00E+00	9.23E-10
3143	380600.12	3734837.69	9.07E-09	0.00E+00	0.00E+00	0.00E+00	9.07E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09	9.29E-10	0.00E+00	0.00E+00	0.00E+00	9.29E-10
3144	380610.12	3734837.69	9.12E-09	0.00E+00	0.00E+00	0.00E+00	9.12E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09	9.34E-10	0.00E+00	0.00E+00	0.00E+00	9.34E-10
3145	380620.12	3734837.69	9.17E-09	0.00E+00	0.00E+00	0.00E+00	9.17E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09	9.39E-10	0.00E+00	0.00E+00	0.00E+00	9.39E-10
3146	380630.12	3734837.69	9.22E-09	0.00E+00	0.00E+00	0.00E+00	9.22E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09	9.45E-10	0.00E+00	0.00E+00	0.00E+00	9.45E-10

3147	380640.12	3734837.69	9.28E-09	0.00E+00	0.00E+00	0.00E+00	9.28E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09	9.50E-10	0.00E+00	0.00E+00	0.00E+00	9.50E-10
3148	380650.12	3734837.69	9.33E-09	0.00E+00	0.00E+00	0.00E+00	9.33E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09	9.56E-10	0.00E+00	0.00E+00	0.00E+00	9.56E-10
3149	380660.12	3734837.69	9.38E-09	0.00E+00	0.00E+00	0.00E+00	9.38E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09	9.61E-10	0.00E+00	0.00E+00	0.00E+00	9.61E-10
3150	380670.12	3734837.69	9.44E-09	0.00E+00	0.00E+00	0.00E+00	9.44E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09	9.66E-10	0.00E+00	0.00E+00	0.00E+00	9.66E-10
3151	380680.12	3734837.69	9.47E-09	0.00E+00	0.00E+00	0.00E+00	9.47E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09	9.70E-10	0.00E+00	0.00E+00	0.00E+00	9.70E-10
3152	380690.12	3734837.69	9.53E-09	0.00E+00	0.00E+00	0.00E+00	9.53E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09	9.76E-10	0.00E+00	0.00E+00	0.00E+00	9.76E-10
3153	380700.12	3734837.69	9.58E-09	0.00E+00	0.00E+00	0.00E+00	9.58E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09	9.81E-10	0.00E+00	0.00E+00	0.00E+00	9.81E-10
3154	380710.12	3734837.69	9.63E-09	0.00E+00	0.00E+00	0.00E+00	9.63E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09	9.87E-10	0.00E+00	0.00E+00	0.00E+00	9.87E-10
3155	380720.12	3734837.69	9.67E-09	0.00E+00	0.00E+00	0.00E+00	9.67E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09	9.91E-10	0.00E+00	0.00E+00	0.00E+00	9.91E-10
3156	380730.12	3734837.69	9.73E-09	0.00E+00	0.00E+00	0.00E+00	9.73E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09	9.96E-10	0.00E+00	0.00E+00	0.00E+00	9.96E-10
3157	380740.12	3734837.69	9.78E-09	0.00E+00	0.00E+00	0.00E+00	9.78E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09	1.00E-09	0.00E+00	0.00E+00	0.00E+00	1.00E-09
3158	380750.12	3734837.69	9.83E-09	0.00E+00	0.00E+00	0.00E+00	9.83E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
3159	380760.12	3734837.69	9.88E-09	0.00E+00	0.00E+00	0.00E+00	9.88E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
3160	380770.12	3734837.69	9.94E-09	0.00E+00	0.00E+00	0.00E+00	9.94E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
3161	380780.12	3734837.69	9.99E-09	0.00E+00	0.00E+00	0.00E+00	9.99E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
3162	380790.12	3734837.69	1.00E-08	0.00E+00	0.00E+00	0.00E+00	1.00E-08	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
3163	380800.12	3734837.69	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
3164	380810.12	3734837.69	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
3165	380820.12	3734837.69	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
3166	380830.12	3734837.69	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
3167	380840.12	3734837.69	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
3168	380850.12	3734837.69	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
3169	380860.12	3734837.69	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
3170	380870.12	3734837.69	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
3171	380880.12	3734837.69	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
3172	380890.12	3734837.69	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
3173	380900.12	3734837.69	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
3174	380910.12	3734837.69	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
3175	380920.12	3734837.69	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
3176	380930.12	3734837.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
3177	380940.12	3734837.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
3178	380950.12	3734837.69	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
3179	380960.12	3734837.69	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
3180	380970.12	3734837.69	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
3181	380980.12	3734837.69	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
3182	380990.12	3734837.69	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
3183	381000.12	3734837.69	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
3184	381010.12	3734837.69	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
3185	381020.12	3734837.69	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
3186	381030.12	3734837.69	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.81E-09	0.00E+00	0.00E+00	0.00E+00	1.81E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
3187	381040.12	3734837.69	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
3188	381050.12	3734837.69	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
3189	381060.12	3734837.69	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
3190	381070.12	3734837.69	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
3191	381080.12	3734837.69	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
3192	381090.12	3734837.69	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
3193	381100.12	3734837.69	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
3194	381110.12	3734837.69	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
3195	381120.12	3734837.69	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
3196	381130.12	3734837.69	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
3197	381140.12	3734837.69	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
3198	381150.12	3734837.69	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
3199	381160.12	3734837.69	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
3200	381170.12	3734837.69	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
3201	381180.12	3734837.69	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
3202	381190.12	3734837.69	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
3203	381200.12	3734837.69	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
3204	381210.12	3734837.69	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
3205	381220.12	3734837.69	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
3206	381230.12	3734837.69	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
3207	381240.12	3734837.69	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
3208	381250.12	3734837.69	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
3209	381260.12	3734837.69	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
3210	381270.12	3734837.69	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.06E-09	0.00E+00	0.00E+00	0.00E+00	2.06E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
3211	381280.12	3734837.69	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.07E-09	0.00E+00	0.00E+00	0.00E+00	2.07E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
3212	381290.12	3734837.69	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.08E-09	0.00E+00	0.00E+00	0.00E+00	2.08E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
3213	381300.12	3734837.69	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.09E-09	0.00E+00	0.00E+00	0.00E+00	2.09E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
3214	381310.12	3734837.69	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.10E-09	0.00E+00	0.00E+00	0.00E+00	2.10E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
3215	381320.12	3734837.69	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.11E-09	0.00E+00	0.00E+00	0.00E+00	2.11E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09
3216	381330.12	3734837.69	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.11E-09	0.00E+00	0.00E+00	0.00E+00	2.11E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
3217	381340.12	3734837.69	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.13E-09	0.00E+00	0.00E+00	0.00E+00	2.13E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
3218	380360.12	3734847.69	7.88E-09	0.00E+00	0.00E+00	0.00E+00	7.88E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09	8.07E-10	0.00E+00	0.00E+00	0.00E+00	8.07E-10
3219	380370.12	3734847.69	7.93E-09	0.00E+00	0.00E+00	0.00E+00	7.93E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09	8.13E-10	0.00E+00	0.00E+00	0.00E+00	8.13E-10
3220	380380.12	3734847.69	7.97E-09	0.00E+00	0.00E+00	0.00E+00	7.97E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09	8.17E-10	0.00E+00	0.00E+00	0.00E+00	8.17E-10
3221	380390.12	3734847.69	8.03E-09	0.00E+00	0.00E+00	0.00E+00	8.03E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09	8.22E-10	0.00E+00	0.00E+00	0.00E+00	8.22E-10
3222	380400.12	3734847.69	8.08E-09	0.00E+00	0.00E+00	0.00E+00	8.08E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09	8.27E-10	0.00E+00	0.00E+00	0.00E+00	8.27E-10
3223	380410.12	3734847.69	8.13E-09	0.00E+00	0.00E+00	0.00E+00	8.13E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09	8.33E-10	0.00E+00	0.00E+00	0.00E+00	8.33E-10
3224	380420.12	3734847.69	8.18E-09	0.00E+00	0.00E+00	0.00E+00	8.18E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09	8.38E-10	0.00E+00	0.00E+00	0.00E+00	8.38E-10
3225	380430.12	3734847.69	8.24E-09	0.00E+00	0.00E+00	0.00E+00	8.24E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09	8.44E-10	0.00E+00	0.00E+00	0.00E+00	8.44E-10
3226	380440.12	3734847.69	8.29E-09	0.00E+00	0.00E+00	0.00E+00	8.29E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09	8.49E-10	0.00E+00	0.00E+00	0.00E+00	8.49E-10
3227	380450.12	3734847.69	8.33E-09	0.00E+00	0.00E+00	0.00E+00	8.33E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09	8.53E-10	0.00E+00	0.00E+00	0.00E+00	8.53E-10
3228	380460.12	3734847.69	8.38E-09	0.00E+00	0.00E+00	0.00E+00	8.38E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09	8.58E-10	0.00E+00	0.00E+00	0.00E+00	8.58E-10
3229	380470.12	3734847.69	8.45E-09	0.00E+00	0.00E+00	0.00E+00	8.45E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09	8.65E-10	0.00E+00	0.00E+00	0.00E+00	8.65E-10
3230	380480.12	3734847.69	8.50E-09	0.00E+00	0.00E+00	0.00E+00	8.50E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09	8.71E-10	0.00E+00	0.00E+00	0.00E+00	8.71E-10
3231	380490.12	3734847.69	8.55E-09	0.00E+00	0.00E+00	0.00E+00	8.55E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09	8.76E-10	0.00E+00	0.00E+00	0.00E+00	8.76E-10
3232	380500.12	3734847.69	8.62E-09	0.00E+00	0.00E+00	0.00E+00	8.62E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09	8.83E-10	0.00E+00	0.00E+00	0.00E+00	8.83E-10
3233	380510.12	3734847.69	8.67E-09	0.00E+00	0.00E+00	0.00E+00	8.67E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09	8.88E-10	0.00E+00	0.00E+00	0.00E+00	8.88E-10
3234	380520.12	3734847.69	8.72E-09	0.00E+00	0.00E+00	0.00E+00	8.72E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09	8.94E-10	0.00E+00	0.00E+00	0.00E+00	8.94E-10
3235	380530.12	3734847.69	8.78E-09	0.00E+00	0.00E+00	0.00E+00	8.78E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09	8.99E-10	0.00E+00	0.00E+00	0.00E+00	8.99E-10
3236	380540.12	3734847.69	8.83E-09	0.00E+00	0.00E+00	0.00E+00	8.83E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09	9.04E-10	0.00E+00	0.00E+00	0.00E+00	9.04E-10
3237	380550.12	3734847.69	8.87E-09	0.00E+00	0.00E+00	0.00E+00	8.87E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09	9.08E-10	0.00E+00	0.00E+00	0.00E+00	9.08E-10
3238	380560.12	3734847.69	8.92E-09	0.00E+00	0.00E+00	0.00E+00	8.92E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09	9.14E-10	0.00E+00	0.00E+00	0.00E+00	9.14E-10
3239	380570.12	3734847.69	8.97E-09	0.00E+00	0.00E+00	0.00E+00	8.97E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09	9.19E-10	0.00E+00	0.00E+00	0.00E+00	9.19E-10
3240	380580.12	3734847.69	9.03E-09	0.00E+00	0.00E+00	0.00E+00	9.03E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09	9.25E-10	0.00E+00	0.00E+00	0.00E+00	9.25E-10
3241	380590.12	3734847.69	9.08E-09	0.00E+00	0.00E+00	0.00E+00	9.08E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09	9.30E-10	0.00E+00	0.00E+00	0.00E+00	9.30E-10
3242	380600.12	3734847.69	9.13E-09	0.00E+00	0.00E+00	0.00E+00	9.13E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09	9.35E-10	0.00E+00	0.00E+00	0.00E+00	9.35E-10
3243	380610.12	3734847.69	9.18E-09	0.00E+00	0.00E+00	0.00E+00	9.18E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09	9.41E-10	0.00E+00	0.00E+00	0.00E+00	9.41E-10
3244	380620.12	3734847.69	9.25E-09	0.00E+00	0.00E+00	0.00E+00	9.25E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09	9.48E-10	0.00E+00	0.00E+00	0.00E+00	9.48E-10
3245	380630.12	3734847.69	9.30E-09	0.00E+00	0.00E+00	0.00E+00	9.30E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09	9.53E-10	0.00E+00	0.00E+00	0.00E+00	9.53E-10
3246	380640.12	3734847.69	9.36E-09	0.00E+00	0.00E+00	0.00E+00	9.36E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09	9.58E-10	0.00E+00	0.00E+00	0.00E+00	9.58E-10
3247	380650.12	3734847.69	9.40E-09	0.00E+00	0.00E+00	0.00E+00	9.40E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09	9.62E-10	0.00E+00	0.00E+00	0.00E+00	9.62E-10
3248	380660.12	3734847.69	9.45E-09	0.00E+00	0.00E+00	0.00E+00	9.45E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09	9.68E-10	0.00E+00	0.00E+00	0.00E+00	9.68E-10
3249	380670.12	3734847.69	9.50E-09	0.00E+00	0.00E+00	0.00E+00	9.50E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09	9.73E-10	0.00E+00	0.00E+00	0.00E+00	9.73E-10
3250	380680.12	3734847.69	9.55E-09	0.00E+00	0.00E+00	0.00E+00	9.55E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09	9.79E-10	0.00E+00	0.00E+00	0.00E+00	9.79E-10
3251	380690.12	3734847.69	9.61E-09	0.00E+00	0.00E+00	0.00E+00	9.61E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09	9.84E-10	0.00E+00	0.00E+00	0.00E+00	9.84E-10

3252	380700.12	3734847.69	9.66E-09	0.00E+00	0.00E+00	0.00E+00	9.66E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09	9.89E-10	0.00E+00	0.00E+00	0.00E+00	9.89E-10
3253	380710.12	3734847.69	9.70E-09	0.00E+00	0.00E+00	0.00E+00	9.70E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09	9.93E-10	0.00E+00	0.00E+00	0.00E+00	9.93E-10
3254	380720.12	3734847.69	9.75E-09	0.00E+00	0.00E+00	0.00E+00	9.75E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09	9.99E-10	0.00E+00	0.00E+00	0.00E+00	9.99E-10
3255	380730.12	3734847.69	9.80E-09	0.00E+00	0.00E+00	0.00E+00	9.80E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09	1.00E-09	0.00E+00	0.00E+00	0.00E+00	1.00E-09
3256	380740.12	3734847.69	9.86E-09	0.00E+00	0.00E+00	0.00E+00	9.86E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
3257	380750.12	3734847.69	9.92E-09	0.00E+00	0.00E+00	0.00E+00	9.92E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
3258	380760.12	3734847.69	9.98E-09	0.00E+00	0.00E+00	0.00E+00	9.98E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
3259	380770.12	3734847.69	1.00E-08	0.00E+00	0.00E+00	0.00E+00	1.00E-08	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
3260	380780.12	3734847.69	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
3261	380790.12	3734847.69	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
3262	380800.12	3734847.69	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
3263	380810.12	3734847.69	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
3264	380820.12	3734847.69	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
3265	380830.12	3734847.69	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
3266	380840.12	3734847.69	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
3267	380850.12	3734847.69	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
3268	380860.12	3734847.69	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
3269	380870.12	3734847.69	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
3270	380880.12	3734847.69	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
3271	380890.12	3734847.69	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
3272	380900.12	3734847.69	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
3273	380910.12	3734847.69	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
3274	380920.12	3734847.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
3275	380930.12	3734847.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
3276	380940.12	3734847.69	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
3277	380950.12	3734847.69	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
3278	380960.12	3734847.69	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
3279	380970.12	3734847.69	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
3280	380980.12	3734847.69	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
3281	380990.12	3734847.69	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
3282	381000.12	3734847.69	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
3283	381010.12	3734847.69	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
3284	381020.12	3734847.69	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.81E-09	0.00E+00	0.00E+00	0.00E+00	1.81E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
3285	381030.12	3734847.69	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
3286	381040.12	3734847.69	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
3287	381050.12	3734847.69	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
3288	381060.12	3734847.69	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
3289	381070.12	3734847.69	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
3290	381080.12	3734847.69	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
3291	381090.12	3734847.69	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
3292	381100.12	3734847.69	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
3293	381110.12	3734847.69	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
3294	381120.12	3734847.69	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
3295	381130.12	3734847.69	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
3296	381140.12	3734847.69	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
3297	381150.12	3734847.69	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
3298	381160.12	3734847.69	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
3299	381170.12	3734847.69	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
3300	381180.12	3734847.69	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
3301	381190.12	3734847.69	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
3302	381200.12	3734847.69	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
3303	381210.12	3734847.69	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
3304	381220.12	3734847.69	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.03E-09	0.00E+00	0.00E+00	0.00E+00	2.03E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
3305	381230.12	3734847.69	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
3306	381240.12	3734847.69	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
3307	381250.12	3734847.69	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.06E-09	0.00E+00	0.00E+00	0.00E+00	2.06E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
3308	381260.12	3734847.69	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.07E-09	0.00E+00	0.00E+00	0.00E+00	2.07E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
3309	381270.12	3734847.69	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.08E-09	0.00E+00	0.00E+00	0.00E+00	2.08E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
3310	381280.12	3734847.69	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.09E-09	0.00E+00	0.00E+00	0.00E+00	2.09E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
3311	381290.12	3734847.69	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.10E-09	0.00E+00	0.00E+00	0.00E+00	2.10E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09
3312	381300.12	3734847.69	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.11E-09	0.00E+00	0.00E+00	0.00E+00	2.11E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09
3313	381310.12	3734847.69	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.12E-09	0.00E+00	0.00E+00	0.00E+00	2.12E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
3314	381320.12	3734847.69	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.13E-09	0.00E+00	0.00E+00	0.00E+00	2.13E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
3315	381330.12	3734847.69	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.14E-09	0.00E+00	0.00E+00	0.00E+00	2.14E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09
3316	381340.12	3734847.69	1.40E-08	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.15E-09	0.00E+00	0.00E+00	0.00E+00	2.15E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
3317	380370.12	3734857.69	7.97E-09	0.00E+00	0.00E+00	0.00E+00	7.97E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09	8.17E-10	0.00E+00	0.00E+00	0.00E+00	8.17E-10
3318	380380.12	3734857.69	8.03E-09	0.00E+00	0.00E+00	0.00E+00	8.03E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09	8.22E-10	0.00E+00	0.00E+00	0.00E+00	8.22E-10
3319	380390.12	3734857.69	8.06E-09	0.00E+00	0.00E+00	0.00E+00	8.06E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09	8.26E-10	0.00E+00	0.00E+00	0.00E+00	8.26E-10
3320	380400.12	3734857.69	8.12E-09	0.00E+00	0.00E+00	0.00E+00	8.12E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09	8.31E-10	0.00E+00	0.00E+00	0.00E+00	8.31E-10
3321	380410.12	3734857.69	8.17E-09	0.00E+00	0.00E+00	0.00E+00	8.17E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09	8.37E-10	0.00E+00	0.00E+00	0.00E+00	8.37E-10
3322	380420.12	3734857.69	8.22E-09	0.00E+00	0.00E+00	0.00E+00	8.22E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09	8.42E-10	0.00E+00	0.00E+00	0.00E+00	8.42E-10
3323	380430.12	3734857.69	8.28E-09	0.00E+00	0.00E+00	0.00E+00	8.28E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09	8.48E-10	0.00E+00	0.00E+00	0.00E+00	8.48E-10
3324	380440.12	3734857.69	8.33E-09	0.00E+00	0.00E+00	0.00E+00	8.33E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09	8.53E-10	0.00E+00	0.00E+00	0.00E+00	8.53E-10
3325	380450.12	3734857.69	8.38E-09	0.00E+00	0.00E+00	0.00E+00	8.38E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09	8.58E-10	0.00E+00	0.00E+00	0.00E+00	8.58E-10
3326	380460.12	3734857.69	8.43E-09	0.00E+00	0.00E+00	0.00E+00	8.43E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09	8.64E-10	0.00E+00	0.00E+00	0.00E+00	8.64E-10
3327	380470.12	3734857.69	8.49E-09	0.00E+00	0.00E+00	0.00E+00	8.49E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09	8.69E-10	0.00E+00	0.00E+00	0.00E+00	8.69E-10
3328	380480.12	3734857.69	8.55E-09	0.00E+00	0.00E+00	0.00E+00	8.55E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09	8.76E-10	0.00E+00	0.00E+00	0.00E+00	8.76E-10
3329	380490.12	3734857.69	8.61E-09	0.00E+00	0.00E+00	0.00E+00	8.61E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09	8.81E-10	0.00E+00	0.00E+00	0.00E+00	8.81E-10
3330	380500.12	3734857.69	8.67E-09	0.00E+00	0.00E+00	0.00E+00	8.67E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09	8.88E-10	0.00E+00	0.00E+00	0.00E+00	8.88E-10
3331	380510.12	3734857.69	8.72E-09	0.00E+00	0.00E+00	0.00E+00	8.72E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09	8.94E-10	0.00E+00	0.00E+00	0.00E+00	8.94E-10
3332	380520.12	3734857.69	8.79E-09	0.00E+00	0.00E+00	0.00E+00	8.79E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09	9.00E-10	0.00E+00	0.00E+00	0.00E+00	9.00E-10
3333	380530.12	3734857.69	8.84E-09	0.00E+00	0.00E+00	0.00E+00	8.84E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09	9.06E-10	0.00E+00	0.00E+00	0.00E+00	9.06E-10
3334	380540.12	3734857.69	8.89E-09	0.00E+00	0.00E+00	0.00E+00	8.89E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09	9.11E-10	0.00E+00	0.00E+00	0.00E+00	9.11E-10
3335	380550.12	3734857.69	8.93E-09	0.00E+00	0.00E+00	0.00E+00	8.93E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09	9.15E-10	0.00E+00	0.00E+00	0.00E+00	9.15E-10
3336	380560.12	3734857.69	8.99E-09	0.00E+00	0.00E+00	0.00E+00	8.99E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09	9.21E-10	0.00E+00	0.00E+00	0.00E+00	9.21E-10
3337	380570.12	3734857.69	9.04E-09	0.00E+00	0.00E+00	0.00E+00	9.04E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09	9.26E-10	0.00E+00	0.00E+00	0.00E+00	9.26E-10
3338	380580.12	3734857.69	9.09E-09	0.00E+00	0.00E+00	0.00E+00	9.09E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09	9.31E-10	0.00E+00	0.00E+00	0.00E+00	9.31E-10
3339	380590.12	3734857.69	9.15E-09	0.00E+00	0.00E+00	0.00E+00	9.15E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09	9.37E-10	0.00E+00	0.00E+00	0.00E+00	9.37E-10
3340	380600.12	3734857.69	9.21E-09	0.00E+00	0.00E+00	0.00E+00	9.21E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09	9.43E-10	0.00E+00	0.00E+00	0.00E+00	9.43E-10
3341	380610.12	3734857.69	9.26E-09	0.00E+00	0.00E+00	0.00E+00	9.26E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09	9.49E-10	0.00E+00	0.00E+00	0.00E+00	9.49E-10
3342	380620.12	3734857.69	9.32E-09	0.00E+00	0.00E+00	0.00E+00	9.32E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09	9.54E-10	0.00E+00	0.00E+00	0.00E+00	9.54E-10
3343	380630.12	3734857.69	9.37E-09	0.00E+00	0.00E+00	0.00E+00	9.37E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09	9.60E-10	0.00E+00	0.00E+00	0.00E+00	9.60E-10
3344	380640.12	3734857.69	9.42E-09	0.00E+00	0.00E+00	0.00E+00	9.42E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09	9.65E-10	0.00E+00	0.00E+00	0.00E+00	9.65E-10
3345	380650.12	3734857.69	9.47E-09	0.00E+00	0.00E+00	0.00E+00	9.47E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09	9.70E-10	0.00E+00	0.00E+00	0.00E+00	9.70E-10
3346	380660.12	3734857.69	9.53E-09	0.00E+00	0.00E+00	0.00E+00	9.53E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09	9.76E-10	0.00E+00	0.00E+00	0.00E+00	9.76E-10
3347	380670.12	3734857.69	9.58E-09	0.00E+00	0.00E+00	0.00E+00	9.58E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09	9.81E-10	0.00E+00	0.00E+00	0.00E+00	9.81E-10
3348	380680.12	3734857.69	9.62E-09	0.00E+00	0.00E+00	0.00E+00	9.62E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09	9.85E-10	0.00E+00	0.00E+00	0.00E+00	9.85E-10
3349	380690.12	3734857.69	9.67E-09	0.00E+00	0.00E+00	0.00E+00	9.67E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09	9.91E-10	0.00E+00	0.00E+00	0.00E+00	9.91E-10
3350	380700.12	3734857.69	9.73E-09	0.00E+00	0.00E+00	0.00E+00	9.73E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09	9.96E-10	0.00E+00	0.00E+00	0.00E+00	9.96E-10
3351	380710.12	3734857.69	9.78E-09	0.00E+00	0.00E+00	0.00E+00	9.78E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09	1.00E-09	0.00E+00	0.00E+00	0.00E+00	1.00E-09
3352	380720.12	3734857.69	9.83E-09	0.00E+00	0.00E+00	0.00E+00	9.83E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
3353	380730.12	3734857.69	9.88E-09	0.00E+00	0.00E+00	0.00E+00	9.88E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
3354	380740.12	3734857.69	9.95E-09	0.00E+00	0.00E+00	0.00E+00	9.95E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
3355	380750.12	3734857.69	1.00E-08	0.00E+00	0.00E+00	0.00E+00	1.00E-08	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
3356	380760.12	3734857.69	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09

3357	380770.12	3734857.69	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
3358	380780.12	3734857.69	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
3359	380790.12	3734857.69	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
3360	380800.12	3734857.69	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
3361	380810.12	3734857.69	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
3362	380820.12	3734857.69	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
3363	380830.12	3734857.69	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
3364	380840.12	3734857.69	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
3365	380850.12	3734857.69	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
3366	380860.12	3734857.69	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
3367	380870.12	3734857.69	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
3368	380880.12	3734857.69	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
3369	380890.12	3734857.69	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
3370	380900.12	3734857.69	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
3371	380910.12	3734857.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
3372	380920.12	3734857.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
3373	380930.12	3734857.69	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
3374	380940.12	3734857.69	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
3375	380950.12	3734857.69	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
3376	380960.12	3734857.69	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
3377	380970.12	3734857.69	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
3378	380980.12	3734857.69	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
3379	380990.12	3734857.69	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
3380	381000.12	3734857.69	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
3381	381010.12	3734857.69	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
3382	381020.12	3734857.69	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
3383	381030.12	3734857.69	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
3384	381040.12	3734857.69	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
3385	381050.12	3734857.69	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
3386	381060.12	3734857.69	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
3387	381070.12	3734857.69	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
3388	381080.12	3734857.69	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.90E-09	0.00E+00	0.00E+00	0.00E+00	1.90E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
3389	381090.12	3734857.69	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
3390	381100.12	3734857.69	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
3391	381110.12	3734857.69	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
3392	381120.12	3734857.69	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
3393	381130.12	3734857.69	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
3394	381140.12	3734857.69	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
3395	381150.12	3734857.69	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
3396	381160.12	3734857.69	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
3397	381170.12	3734857.69	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
3398	381180.12	3734857.69	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
3399	381190.12	3734857.69	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
3400	381200.12	3734857.69	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.03E-09	0.00E+00	0.00E+00	0.00E+00	2.03E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
3401	381210.12	3734857.69	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
3402	381220.12	3734857.69	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
3403	381230.12	3734857.69	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.06E-09	0.00E+00	0.00E+00	0.00E+00	2.06E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
3404	381240.12	3734857.69	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.07E-09	0.00E+00	0.00E+00	0.00E+00	2.07E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
3405	381250.12	3734857.69	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.08E-09	0.00E+00	0.00E+00	0.00E+00	2.08E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
3406	381260.12	3734857.69	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.09E-09	0.00E+00	0.00E+00	0.00E+00	2.09E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
3407	381270.12	3734857.69	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.10E-09	0.00E+00	0.00E+00	0.00E+00	2.10E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09
3408	381280.12	3734857.69	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.11E-09	0.00E+00	0.00E+00	0.00E+00	2.11E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09
3409	381290.12	3734857.69	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.12E-09	0.00E+00	0.00E+00	0.00E+00	2.12E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
3410	381300.12	3734857.69	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.13E-09	0.00E+00	0.00E+00	0.00E+00	2.13E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
3411	381310.12	3734857.69	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.14E-09	0.00E+00	0.00E+00	0.00E+00	2.14E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09
3412	381320.12	3734857.69	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.15E-09	0.00E+00	0.00E+00	0.00E+00	2.15E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
3413	381330.12	3734857.69	1.40E-08	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.16E-09	0.00E+00	0.00E+00	0.00E+00	2.16E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
3414	381340.12	3734857.69	1.41E-08	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.18E-09	0.00E+00	0.00E+00	0.00E+00	2.18E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09
3415	380390.12	3734867.69	8.10E-09	0.00E+00	0.00E+00	0.00E+00	8.10E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09	8.30E-10	0.00E+00	0.00E+00	0.00E+00	8.30E-10
3416	380400.12	3734867.69	8.16E-09	0.00E+00	0.00E+00	0.00E+00	8.16E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09	8.35E-10	0.00E+00	0.00E+00	0.00E+00	8.35E-10
3417	380410.12	3734867.69	8.21E-09	0.00E+00	0.00E+00	0.00E+00	8.21E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09	8.41E-10	0.00E+00	0.00E+00	0.00E+00	8.41E-10
3418	380420.12	3734867.69	8.26E-09	0.00E+00	0.00E+00	0.00E+00	8.26E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09	8.46E-10	0.00E+00	0.00E+00	0.00E+00	8.46E-10
3419	380430.12	3734867.69	8.33E-09	0.00E+00	0.00E+00	0.00E+00	8.33E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09	8.53E-10	0.00E+00	0.00E+00	0.00E+00	8.53E-10
3420	380440.12	3734867.69	8.38E-09	0.00E+00	0.00E+00	0.00E+00	8.38E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09	8.58E-10	0.00E+00	0.00E+00	0.00E+00	8.58E-10
3421	380450.12	3734867.69	8.43E-09	0.00E+00	0.00E+00	0.00E+00	8.43E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09	8.64E-10	0.00E+00	0.00E+00	0.00E+00	8.64E-10
3422	380460.12	3734867.69	8.49E-09	0.00E+00	0.00E+00	0.00E+00	8.49E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09	8.69E-10	0.00E+00	0.00E+00	0.00E+00	8.69E-10
3423	380470.12	3734867.69	8.55E-09	0.00E+00	0.00E+00	0.00E+00	8.55E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09	8.76E-10	0.00E+00	0.00E+00	0.00E+00	8.76E-10
3424	380480.12	3734867.69	8.61E-09	0.00E+00	0.00E+00	0.00E+00	8.61E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09	8.81E-10	0.00E+00	0.00E+00	0.00E+00	8.81E-10
3425	380490.12	3734867.69	8.67E-09	0.00E+00	0.00E+00	0.00E+00	8.67E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09	8.88E-10	0.00E+00	0.00E+00	0.00E+00	8.88E-10
3426	380500.12	3734867.69	8.72E-09	0.00E+00	0.00E+00	0.00E+00	8.72E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09	8.94E-10	0.00E+00	0.00E+00	0.00E+00	8.94E-10
3427	380510.12	3734867.69	8.79E-09	0.00E+00	0.00E+00	0.00E+00	8.79E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09	9.00E-10	0.00E+00	0.00E+00	0.00E+00	9.00E-10
3428	380520.12	3734867.69	8.84E-09	0.00E+00	0.00E+00	0.00E+00	8.84E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09	9.06E-10	0.00E+00	0.00E+00	0.00E+00	9.06E-10
3429	380530.12	3734867.69	8.89E-09	0.00E+00	0.00E+00	0.00E+00	8.89E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09	9.11E-10	0.00E+00	0.00E+00	0.00E+00	9.11E-10
3430	380540.12	3734867.69	8.96E-09	0.00E+00	0.00E+00	0.00E+00	8.96E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09	9.18E-10	0.00E+00	0.00E+00	0.00E+00	9.18E-10
3431	380550.12	3734867.69	9.01E-09	0.00E+00	0.00E+00	0.00E+00	9.01E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09	9.23E-10	0.00E+00	0.00E+00	0.00E+00	9.23E-10
3432	380560.12	3734867.69	9.07E-09	0.00E+00	0.00E+00	0.00E+00	9.07E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09	9.29E-10	0.00E+00	0.00E+00	0.00E+00	9.29E-10
3433	380570.12	3734867.69	9.12E-09	0.00E+00	0.00E+00	0.00E+00	9.12E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09	9.34E-10	0.00E+00	0.00E+00	0.00E+00	9.34E-10
3434	380580.12	3734867.69	9.17E-09	0.00E+00	0.00E+00	0.00E+00	9.17E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09	9.39E-10	0.00E+00	0.00E+00	0.00E+00	9.39E-10
3435	380590.12	3734867.69	9.22E-09	0.00E+00	0.00E+00	0.00E+00	9.22E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09	9.45E-10	0.00E+00	0.00E+00	0.00E+00	9.45E-10
3436	380600.12	3734867.69	9.28E-09	0.00E+00	0.00E+00	0.00E+00	9.28E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09	9.50E-10	0.00E+00	0.00E+00	0.00E+00	9.50E-10
3437	380610.12	3734867.69	9.34E-09	0.00E+00	0.00E+00	0.00E+00	9.34E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09	9.57E-10	0.00E+00	0.00E+00	0.00E+00	9.57E-10
3438	380620.12	3734867.69	9.40E-09	0.00E+00	0.00E+00	0.00E+00	9.40E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09	9.62E-10	0.00E+00	0.00E+00	0.00E+00	9.62E-10
3439	380630.12	3734867.69	9.45E-09	0.00E+00	0.00E+00	0.00E+00	9.45E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09	9.68E-10	0.00E+00	0.00E+00	0.00E+00	9.68E-10
3440	380640.12	3734867.69	9.49E-09	0.00E+00	0.00E+00	0.00E+00	9.49E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09	9.72E-10	0.00E+00	0.00E+00	0.00E+00	9.72E-10
3441	380650.12	3734867.69	9.54E-09	0.00E+00	0.00E+00	0.00E+00	9.54E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09	9.77E-10	0.00E+00	0.00E+00	0.00E+00	9.77E-10
3442	380660.12	3734867.69	9.59E-09	0.00E+00	0.00E+00	0.00E+00	9.59E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09	9.83E-10	0.00E+00	0.00E+00	0.00E+00	9.83E-10
3443	380670.12	3734867.69	9.65E-09	0.00E+00	0.00E+00	0.00E+00	9.65E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09	9.88E-10	0.00E+00	0.00E+00	0.00E+00	9.88E-10
3444	380680.12	3734867.69	9.70E-09	0.00E+00	0.00E+00	0.00E+00	9.70E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09	9.93E-10	0.00E+00	0.00E+00	0.00E+00	9.93E-10
3445	380690.12	3734867.69	9.75E-09	0.00E+00	0.00E+00	0.00E+00	9.75E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09	9.99E-10	0.00E+00	0.00E+00	0.00E+00	9.99E-10
3446	380700.12	3734867.69	9.80E-09	0.00E+00	0.00E+00	0.00E+00	9.80E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09	1.00E-09	0.00E+00	0.00E+00	0.00E+00	1.00E-09
3447	380710.12	3734867.69	9.86E-09	0.00E+00	0.00E+00	0.00E+00	9.86E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
3448	380720.12	3734867.69	9.92E-09	0.00E+00	0.00E+00	0.00E+00	9.92E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
3449	380730.12	3734867.69	9.98E-09	0.00E+00	0.00E+00	0.00E+00	9.98E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
3450	380740.12	3734867.69	1.00E-08	0.00E+00	0.00E+00	0.00E+00	1.00E-08	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
3451	380750.12	3734867.69	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
3452	380760.12	3734867.69	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
3453	380770.12	3734867.69	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
3454	380780.12	3734867.69	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
3455	380790.12	3734867.69	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
3456	380800.12	3734867.69	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
3457	380810.12	3734867.69	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
3458	380820.12	3734867.69	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
3459	380830.12	3734867.69	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
3460	380840.12	3734867.69	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
3461	380850.12	3734867.69	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09

3462	380860.12	3734867.69	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
3463	380870.12	3734867.69	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
3464	380880.12	3734867.69	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
3465	380890.12	3734867.69	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
3466	380900.12	3734867.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
3467	380910.12	3734867.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
3468	380920.12	3734867.69	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
3469	380930.12	3734867.69	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
3470	380940.12	3734867.69	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
3471	380950.12	3734867.69	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
3472	380960.12	3734867.69	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
3473	380970.12	3734867.69	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
3474	380980.12	3734867.69	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
3475	380990.12	3734867.69	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
3476	381000.12	3734867.69	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
3477	381010.12	3734867.69	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
3478	381020.12	3734867.69	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
3479	381030.12	3734867.69	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
3480	381040.12	3734867.69	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
3481	381050.12	3734867.69	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
3482	381060.12	3734867.69	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
3483	381070.12	3734867.69	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
3484	381080.12	3734867.69	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
3485	381090.12	3734867.69	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
3486	381100.12	3734867.69	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
3487	381110.12	3734867.69	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
3488	381120.12	3734867.69	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
3489	381130.12	3734867.69	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
3490	381140.12	3734867.69	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
3491	381150.12	3734867.69	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
3492	381160.12	3734867.69	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
3493	381170.12	3734867.69	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
3494	381180.12	3734867.69	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.03E-09	0.00E+00	0.00E+00	0.00E+00	2.03E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
3495	381190.12	3734867.69	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
3496	381200.12	3734867.69	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
3497	381210.12	3734867.69	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.06E-09	0.00E+00	0.00E+00	0.00E+00	2.06E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
3498	381220.12	3734867.69	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.07E-09	0.00E+00	0.00E+00	0.00E+00	2.07E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
3499	381230.12	3734867.69	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.08E-09	0.00E+00	0.00E+00	0.00E+00	2.08E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
3500	381240.12	3734867.69	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.09E-09	0.00E+00	0.00E+00	0.00E+00	2.09E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
3501	381250.12	3734867.69	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.10E-09	0.00E+00	0.00E+00	0.00E+00	2.10E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09
3502	381260.12	3734867.69	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.11E-09	0.00E+00	0.00E+00	0.00E+00	2.11E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
3503	381270.12	3734867.69	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.12E-09	0.00E+00	0.00E+00	0.00E+00	2.12E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
3504	381280.12	3734867.69	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.13E-09	0.00E+00	0.00E+00	0.00E+00	2.13E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09
3505	381290.12	3734867.69	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.14E-09	0.00E+00	0.00E+00	0.00E+00	2.14E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09
3506	381300.12	3734867.69	1.40E-08	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.15E-09	0.00E+00	0.00E+00	0.00E+00	2.15E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
3507	381310.12	3734867.69	1.40E-08	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.16E-09	0.00E+00	0.00E+00	0.00E+00	2.16E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09
3508	381320.12	3734867.69	1.41E-08	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.17E-09	0.00E+00	0.00E+00	0.00E+00	2.17E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09
3509	381330.12	3734867.69	1.42E-08	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.18E-09	0.00E+00	0.00E+00	0.00E+00	2.18E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09
3510	381340.12	3734867.69	1.42E-08	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.20E-09	0.00E+00	0.00E+00	0.00E+00	2.20E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09
3511	380400.12	3734877.69	8.20E-09	0.00E+00	0.00E+00	0.00E+00	8.20E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09	8.40E-10	0.00E+00	0.00E+00	0.00E+00	8.40E-10
3512	380410.12	3734877.69	8.26E-09	0.00E+00	0.00E+00	0.00E+00	8.26E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09	8.46E-10	0.00E+00	0.00E+00	0.00E+00	8.46E-10
3513	380420.12	3734877.69	8.32E-09	0.00E+00	0.00E+00	0.00E+00	8.32E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09	8.52E-10	0.00E+00	0.00E+00	0.00E+00	8.52E-10
3514	380430.12	3734877.69	8.37E-09	0.00E+00	0.00E+00	0.00E+00	8.37E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09	8.57E-10	0.00E+00	0.00E+00	0.00E+00	8.57E-10
3515	380440.12	3734877.69	8.42E-09	0.00E+00	0.00E+00	0.00E+00	8.42E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09	8.62E-10	0.00E+00	0.00E+00	0.00E+00	8.62E-10
3516	380450.12	3734877.69	8.49E-09	0.00E+00	0.00E+00	0.00E+00	8.49E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09	8.69E-10	0.00E+00	0.00E+00	0.00E+00	8.69E-10
3517	380460.12	3734877.69	8.54E-09	0.00E+00	0.00E+00	0.00E+00	8.54E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09	8.75E-10	0.00E+00	0.00E+00	0.00E+00	8.75E-10
3518	380470.12	3734877.69	8.61E-09	0.00E+00	0.00E+00	0.00E+00	8.61E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09	8.81E-10	0.00E+00	0.00E+00	0.00E+00	8.81E-10
3519	380480.12	3734877.69	8.66E-09	0.00E+00	0.00E+00	0.00E+00	8.66E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09	8.87E-10	0.00E+00	0.00E+00	0.00E+00	8.87E-10
3520	380490.12	3734877.69	8.72E-09	0.00E+00	0.00E+00	0.00E+00	8.72E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09	8.94E-10	0.00E+00	0.00E+00	0.00E+00	8.94E-10
3521	380500.12	3734877.69	8.79E-09	0.00E+00	0.00E+00	0.00E+00	8.79E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09	9.00E-10	0.00E+00	0.00E+00	0.00E+00	9.00E-10
3522	380510.12	3734877.69	8.84E-09	0.00E+00	0.00E+00	0.00E+00	8.84E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09	9.06E-10	0.00E+00	0.00E+00	0.00E+00	9.06E-10
3523	380520.12	3734877.69	8.91E-09	0.00E+00	0.00E+00	0.00E+00	8.91E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09	9.12E-10	0.00E+00	0.00E+00	0.00E+00	9.12E-10
3524	380530.12	3734877.69	8.96E-09	0.00E+00	0.00E+00	0.00E+00	8.96E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09	9.18E-10	0.00E+00	0.00E+00	0.00E+00	9.18E-10
3525	380540.12	3734877.69	9.03E-09	0.00E+00	0.00E+00	0.00E+00	9.03E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09	9.25E-10	0.00E+00	0.00E+00	0.00E+00	9.25E-10
3526	380550.12	3734877.69	9.08E-09	0.00E+00	0.00E+00	0.00E+00	9.08E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09	9.30E-10	0.00E+00	0.00E+00	0.00E+00	9.30E-10
3527	380560.12	3734877.69	9.13E-09	0.00E+00	0.00E+00	0.00E+00	9.13E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09	9.35E-10	0.00E+00	0.00E+00	0.00E+00	9.35E-10
3528	380570.12	3734877.69	9.18E-09	0.00E+00	0.00E+00	0.00E+00	9.18E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09	9.41E-10	0.00E+00	0.00E+00	0.00E+00	9.41E-10
3529	380580.12	3734877.69	9.24E-09	0.00E+00	0.00E+00	0.00E+00	9.24E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09	9.46E-10	0.00E+00	0.00E+00	0.00E+00	9.46E-10
3530	380590.12	3734877.69	9.30E-09	0.00E+00	0.00E+00	0.00E+00	9.30E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09	9.53E-10	0.00E+00	0.00E+00	0.00E+00	9.53E-10
3531	380600.12	3734877.69	9.36E-09	0.00E+00	0.00E+00	0.00E+00	9.36E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09	9.58E-10	0.00E+00	0.00E+00	0.00E+00	9.58E-10
3532	380610.12	3734877.69	9.41E-09	0.00E+00	0.00E+00	0.00E+00	9.41E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09	9.64E-10	0.00E+00	0.00E+00	0.00E+00	9.64E-10
3533	380620.12	3734877.69	9.46E-09	0.00E+00	0.00E+00	0.00E+00	9.46E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09	9.69E-10	0.00E+00	0.00E+00	0.00E+00	9.69E-10
3534	380630.12	3734877.69	9.51E-09	0.00E+00	0.00E+00	0.00E+00	9.51E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09	9.74E-10	0.00E+00	0.00E+00	0.00E+00	9.74E-10
3535	380640.12	3734877.69	9.57E-09	0.00E+00	0.00E+00	0.00E+00	9.57E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09	9.80E-10	0.00E+00	0.00E+00	0.00E+00	9.80E-10
3536	380650.12	3734877.69	9.62E-09	0.00E+00	0.00E+00	0.00E+00	9.62E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09	9.85E-10	0.00E+00	0.00E+00	0.00E+00	9.85E-10
3537	380660.12	3734877.69	9.67E-09	0.00E+00	0.00E+00	0.00E+00	9.67E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09	9.91E-10	0.00E+00	0.00E+00	0.00E+00	9.91E-10
3538	380670.12	3734877.69	9.73E-09	0.00E+00	0.00E+00	0.00E+00	9.73E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09	9.96E-10	0.00E+00	0.00E+00	0.00E+00	9.96E-10
3539	380680.12	3734877.69	9.78E-09	0.00E+00	0.00E+00	0.00E+00	9.78E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09	1.00E-09	0.00E+00	0.00E+00	0.00E+00	1.00E-09
3540	380690.12	3734877.69	9.83E-09	0.00E+00	0.00E+00	0.00E+00	9.83E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
3541	380700.12	3734877.69	9.88E-09	0.00E+00	0.00E+00	0.00E+00	9.88E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
3542	380710.12	3734877.69	9.95E-09	0.00E+00	0.00E+00	0.00E+00	9.95E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
3543	380720.12	3734877.69	1.00E-08	0.00E+00	0.00E+00	0.00E+00	1.00E-08	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
3544	380730.12	3734877.69	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
3545	380740.12	3734877.69	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
3546	380750.12	3734877.69	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
3547	380760.12	3734877.69	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
3548	380770.12	3734877.69	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
3549	380780.12	3734877.69	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
3550	380790.12	3734877.69	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
3551	380800.12	3734877.69	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
3552	380810.12	3734877.69	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
3553	380820.12	3734877.69	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
3554	380830.12	3734877.69	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
3555	380840.12	3734877.69	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
3556	380850.12	3734877.69	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
3557	380860.12	3734877.69	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
3558	380870.12	3734877.69	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
3559	380880.12	3734877.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
3560	380890.12	3734877.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
3561	380900.12	3734877.69	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
3562	380910.12	3734877.69	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
3563	380920.12	3734877.69	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
3564	380930.12	3734877.69	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
3565	380940.12	3734877.69	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
3566	380950.12	3734877.69	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09

3567	380960.12	3734877.69	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
3568	380970.12	3734877.69	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
3569	380980.12	3734877.69	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.81E-09	0.00E+00	0.00E+00	0.00E+00	1.81E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
3570	380990.12	3734877.69	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
3571	381000.12	3734877.69	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
3572	381010.12	3734877.69	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
3573	381020.12	3734877.69	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
3574	381030.12	3734877.69	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
3575	381040.12	3734877.69	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
3576	381050.12	3734877.69	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.90E-09	0.00E+00	0.00E+00	0.00E+00	1.90E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
3577	381060.12	3734877.69	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
3578	381070.12	3734877.69	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
3579	381080.12	3734877.69	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
3580	381090.12	3734877.69	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
3581	381100.12	3734877.69	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
3582	381110.12	3734877.69	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
3583	381120.12	3734877.69	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
3584	381130.12	3734877.69	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
3585	381140.12	3734877.69	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
3586	381150.12	3734877.69	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
3587	381160.12	3734877.69	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
3588	381170.12	3734877.69	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
3589	381180.12	3734877.69	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
3590	381190.12	3734877.69	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.06E-09	0.00E+00	0.00E+00	0.00E+00	2.06E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
3591	381200.12	3734877.69	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.07E-09	0.00E+00	0.00E+00	0.00E+00	2.07E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
3592	381210.12	3734877.69	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.08E-09	0.00E+00	0.00E+00	0.00E+00	2.08E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
3593	381220.12	3734877.69	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.09E-09	0.00E+00	0.00E+00	0.00E+00	2.09E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
3594	381230.12	3734877.69	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.10E-09	0.00E+00	0.00E+00	0.00E+00	2.10E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09
3595	381240.12	3734877.69	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.11E-09	0.00E+00	0.00E+00	0.00E+00	2.11E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
3596	381250.12	3734877.69	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.12E-09	0.00E+00	0.00E+00	0.00E+00	2.12E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
3597	381260.12	3734877.69	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.13E-09	0.00E+00	0.00E+00	0.00E+00	2.13E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09
3598	381270.12	3734877.69	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.14E-09	0.00E+00	0.00E+00	0.00E+00	2.14E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
3599	381280.12	3734877.69	1.40E-08	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.15E-09	0.00E+00	0.00E+00	0.00E+00	2.15E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
3600	381290.12	3734877.69	1.40E-08	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.16E-09	0.00E+00	0.00E+00	0.00E+00	2.16E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09
3601	381300.12	3734877.69	1.41E-08	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.17E-09	0.00E+00	0.00E+00	0.00E+00	2.17E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09
3602	381310.12	3734877.69	1.42E-08	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.18E-09	0.00E+00	0.00E+00	0.00E+00	2.18E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09
3603	381320.12	3734877.69	1.42E-08	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.19E-09	0.00E+00	0.00E+00	0.00E+00	2.19E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09
3604	381330.12	3734877.69	1.43E-08	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.20E-09	0.00E+00	0.00E+00	0.00E+00	2.20E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09
3605	381340.12	3734877.69	1.44E-08	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.22E-09	0.00E+00	0.00E+00	0.00E+00	2.22E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09
3606	380420.12	3734887.69	8.37E-09	0.00E+00	0.00E+00	0.00E+00	8.37E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09	8.57E-10	0.00E+00	0.00E+00	0.00E+00	8.57E-10
3607	380430.12	3734887.69	8.42E-09	0.00E+00	0.00E+00	0.00E+00	8.42E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09	8.62E-10	0.00E+00	0.00E+00	0.00E+00	8.62E-10
3608	380440.12	3734887.69	8.49E-09	0.00E+00	0.00E+00	0.00E+00	8.49E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09	8.69E-10	0.00E+00	0.00E+00	0.00E+00	8.69E-10
3609	380450.12	3734887.69	8.54E-09	0.00E+00	0.00E+00	0.00E+00	8.54E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09	8.75E-10	0.00E+00	0.00E+00	0.00E+00	8.75E-10
3610	380460.12	3734887.69	8.59E-09	0.00E+00	0.00E+00	0.00E+00	8.59E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09	8.80E-10	0.00E+00	0.00E+00	0.00E+00	8.80E-10
3611	380470.12	3734887.69	8.66E-09	0.00E+00	0.00E+00	0.00E+00	8.66E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09	8.87E-10	0.00E+00	0.00E+00	0.00E+00	8.87E-10
3612	380480.12	3734887.69	8.72E-09	0.00E+00	0.00E+00	0.00E+00	8.72E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09	8.94E-10	0.00E+00	0.00E+00	0.00E+00	8.94E-10
3613	380490.12	3734887.69	8.78E-09	0.00E+00	0.00E+00	0.00E+00	8.78E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09	8.99E-10	0.00E+00	0.00E+00	0.00E+00	8.99E-10
3614	380500.12	3734887.69	8.84E-09	0.00E+00	0.00E+00	0.00E+00	8.84E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09	9.06E-10	0.00E+00	0.00E+00	0.00E+00	9.06E-10
3615	380510.12	3734887.69	8.91E-09	0.00E+00	0.00E+00	0.00E+00	8.91E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09	9.12E-10	0.00E+00	0.00E+00	0.00E+00	9.12E-10
3616	380520.12	3734887.69	8.97E-09	0.00E+00	0.00E+00	0.00E+00	8.97E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09	9.19E-10	0.00E+00	0.00E+00	0.00E+00	9.19E-10
3617	380530.12	3734887.69	9.03E-09	0.00E+00	0.00E+00	0.00E+00	9.03E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09	9.25E-10	0.00E+00	0.00E+00	0.00E+00	9.25E-10
3618	380540.12	3734887.69	9.08E-09	0.00E+00	0.00E+00	0.00E+00	9.08E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09	9.30E-10	0.00E+00	0.00E+00	0.00E+00	9.30E-10
3619	380550.12	3734887.69	9.15E-09	0.00E+00	0.00E+00	0.00E+00	9.15E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09	9.37E-10	0.00E+00	0.00E+00	0.00E+00	9.37E-10
3620	380560.12	3734887.69	9.20E-09	0.00E+00	0.00E+00	0.00E+00	9.20E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09	9.42E-10	0.00E+00	0.00E+00	0.00E+00	9.42E-10
3621	380570.12	3734887.69	9.25E-09	0.00E+00	0.00E+00	0.00E+00	9.25E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09	9.48E-10	0.00E+00	0.00E+00	0.00E+00	9.48E-10
3622	380580.12	3734887.69	9.30E-09	0.00E+00	0.00E+00	0.00E+00	9.30E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09	9.53E-10	0.00E+00	0.00E+00	0.00E+00	9.53E-10
3623	380590.12	3734887.69	9.37E-09	0.00E+00	0.00E+00	0.00E+00	9.37E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09	9.60E-10	0.00E+00	0.00E+00	0.00E+00	9.60E-10
3624	380600.12	3734887.69	9.42E-09	0.00E+00	0.00E+00	0.00E+00	9.42E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09	9.65E-10	0.00E+00	0.00E+00	0.00E+00	9.65E-10
3625	380610.12	3734887.69	9.49E-09	0.00E+00	0.00E+00	0.00E+00	9.49E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09	9.72E-10	0.00E+00	0.00E+00	0.00E+00	9.72E-10
3626	380620.12	3734887.69	9.54E-09	0.00E+00	0.00E+00	0.00E+00	9.54E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09	9.77E-10	0.00E+00	0.00E+00	0.00E+00	9.77E-10
3627	380630.12	3734887.69	9.59E-09	0.00E+00	0.00E+00	0.00E+00	9.59E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09	9.83E-10	0.00E+00	0.00E+00	0.00E+00	9.83E-10
3628	380640.12	3734887.69	9.65E-09	0.00E+00	0.00E+00	0.00E+00	9.65E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09	9.88E-10	0.00E+00	0.00E+00	0.00E+00	9.88E-10
3629	380650.12	3734887.69	9.70E-09	0.00E+00	0.00E+00	0.00E+00	9.70E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09	9.93E-10	0.00E+00	0.00E+00	0.00E+00	9.93E-10
3630	380660.12	3734887.69	9.75E-09	0.00E+00	0.00E+00	0.00E+00	9.75E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09	9.99E-10	0.00E+00	0.00E+00	0.00E+00	9.99E-10
3631	380670.12	3734887.69	9.80E-09	0.00E+00	0.00E+00	0.00E+00	9.80E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09	1.00E-09	0.00E+00	0.00E+00	0.00E+00	1.00E-09
3632	380680.12	3734887.69	9.87E-09	0.00E+00	0.00E+00	0.00E+00	9.87E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
3633	380690.12	3734887.69	9.92E-09	0.00E+00	0.00E+00	0.00E+00	9.92E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
3634	380700.12	3734887.69	9.98E-09	0.00E+00	0.00E+00	0.00E+00	9.98E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
3635	380710.12	3734887.69	1.00E-08	0.00E+00	0.00E+00	0.00E+00	1.00E-08	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
3636	380720.12	3734887.69	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
3637	380730.12	3734887.69	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
3638	380740.12	3734887.69	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
3639	380750.12	3734887.69	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
3640	380760.12	3734887.69	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
3641	380770.12	3734887.69	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
3642	380780.12	3734887.69	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
3643	380790.12	3734887.69	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
3644	380800.12	3734887.69	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
3645	380810.12	3734887.69	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
3646	380820.12	3734887.69	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
3647	380830.12	3734887.69	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
3648	380840.12	3734887.69	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
3649	380850.12	3734887.69	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
3650	380860.12	3734887.69	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
3651	380870.12	3734887.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
3652	380880.12	3734887.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
3653	380890.12	3734887.69	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
3654	380900.12	3734887.69	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
3655	380910.12	3734887.69	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
3656	380920.12	3734887.69	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
3657	380930.12	3734887.69	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
3658	380940.12	3734887.69	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
3659	380950.12	3734887.69	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
3660	380960.12	3734887.69	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
3661	380970.12	3734887.69	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.81E-09	0.00E+00	0.00E+00	0.00E+00	1.81E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
3662	380980.12	3734887.69	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
3663	380990.12	3734887.69	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
3664	381000.12	3734887.69	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
3665	381010.12	3734887.69	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
3666	381020.12	3734887.69	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
3667	381030.12	3734887.69	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
3668	381040.12	3734887.69	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.90E-09	0.00E+00	0.00E+00	0.00E+00	1.90E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
3669	381050.12	3734887.69	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
3670	381060.12	3734887.69	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
3671	381070.12	3734887.69	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09

3672	381080.12	3734887.69	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
3673	381090.12	3734887.69	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
3674	381100.12	3734887.69	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
3675	381110.12	3734887.69	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
3676	381120.12	3734887.69	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
3677	381130.12	3734887.69	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
3678	381140.12	3734887.69	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
3679	381150.12	3734887.69	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.03E-09	0.00E+00	0.00E+00	0.00E+00	2.03E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
3680	381160.12	3734887.69	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
3681	381170.12	3734887.69	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
3682	381180.12	3734887.69	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.06E-09	0.00E+00	0.00E+00	0.00E+00	2.06E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
3683	381190.12	3734887.69	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.08E-09	0.00E+00	0.00E+00	0.00E+00	2.08E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
3684	381200.12	3734887.69	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.09E-09	0.00E+00	0.00E+00	0.00E+00	2.09E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
3685	381210.12	3734887.69	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.10E-09	0.00E+00	0.00E+00	0.00E+00	2.10E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
3686	381220.12	3734887.69	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.11E-09	0.00E+00	0.00E+00	0.00E+00	2.11E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09
3687	381230.12	3734887.69	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.12E-09	0.00E+00	0.00E+00	0.00E+00	2.12E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
3688	381240.12	3734887.69	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.14E-09	0.00E+00	0.00E+00	0.00E+00	2.14E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09
3689	381250.12	3734887.69	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.15E-09	0.00E+00	0.00E+00	0.00E+00	2.15E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
3690	381260.12	3734887.69	1.40E-08	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.16E-09	0.00E+00	0.00E+00	0.00E+00	2.16E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
3691	381270.12	3734887.69	1.41E-08	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.17E-09	0.00E+00	0.00E+00	0.00E+00	2.17E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09
3692	381280.12	3734887.69	1.41E-08	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.18E-09	0.00E+00	0.00E+00	0.00E+00	2.18E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09
3693	381290.12	3734887.69	1.42E-08	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.19E-09	0.00E+00	0.00E+00	0.00E+00	2.19E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09
3694	381300.12	3734887.69	1.42E-08	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.20E-09	0.00E+00	0.00E+00	0.00E+00	2.20E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09
3695	381310.12	3734887.69	1.43E-08	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.21E-09	0.00E+00	0.00E+00	0.00E+00	2.21E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09
3696	381320.12	3734887.69	1.44E-08	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.22E-09	0.00E+00	0.00E+00	0.00E+00	2.22E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09
3697	381330.12	3734887.69	1.44E-08	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.23E-09	0.00E+00	0.00E+00	0.00E+00	2.23E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09
3698	381340.12	3734887.69	1.45E-08	0.00E+00	0.00E+00	0.00E+00	1.45E-08	2.24E-09	0.00E+00	0.00E+00	0.00E+00	2.24E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09
3699	380440.12	3734897.69	8.54E-09	0.00E+00	0.00E+00	0.00E+00	8.54E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09	8.75E-10	0.00E+00	0.00E+00	0.00E+00	8.75E-10
3700	380450.12	3734897.69	8.61E-09	0.00E+00	0.00E+00	0.00E+00	8.61E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09	8.81E-10	0.00E+00	0.00E+00	0.00E+00	8.81E-10
3701	380460.12	3734897.69	8.66E-09	0.00E+00	0.00E+00	0.00E+00	8.66E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09	8.87E-10	0.00E+00	0.00E+00	0.00E+00	8.87E-10
3702	380470.12	3734897.69	8.72E-09	0.00E+00	0.00E+00	0.00E+00	8.72E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09	8.94E-10	0.00E+00	0.00E+00	0.00E+00	8.94E-10
3703	380480.12	3734897.69	8.78E-09	0.00E+00	0.00E+00	0.00E+00	8.78E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09	8.99E-10	0.00E+00	0.00E+00	0.00E+00	8.99E-10
3704	380490.12	3734897.69	8.84E-09	0.00E+00	0.00E+00	0.00E+00	8.84E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09	9.06E-10	0.00E+00	0.00E+00	0.00E+00	9.06E-10
3705	380500.12	3734897.69	8.91E-09	0.00E+00	0.00E+00	0.00E+00	8.91E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09	9.12E-10	0.00E+00	0.00E+00	0.00E+00	9.12E-10
3706	380510.12	3734897.69	8.97E-09	0.00E+00	0.00E+00	0.00E+00	8.97E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09	9.19E-10	0.00E+00	0.00E+00	0.00E+00	9.19E-10
3707	380520.12	3734897.69	9.04E-09	0.00E+00	0.00E+00	0.00E+00	9.04E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09	9.26E-10	0.00E+00	0.00E+00	0.00E+00	9.26E-10
3708	380530.12	3734897.69	9.09E-09	0.00E+00	0.00E+00	0.00E+00	9.09E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09	9.31E-10	0.00E+00	0.00E+00	0.00E+00	9.31E-10
3709	380540.12	3734897.69	9.15E-09	0.00E+00	0.00E+00	0.00E+00	9.15E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09	9.37E-10	0.00E+00	0.00E+00	0.00E+00	9.37E-10
3710	380550.12	3734897.69	9.20E-09	0.00E+00	0.00E+00	0.00E+00	9.20E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09	9.42E-10	0.00E+00	0.00E+00	0.00E+00	9.42E-10
3711	380560.12	3734897.69	9.26E-09	0.00E+00	0.00E+00	0.00E+00	9.26E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09	9.49E-10	0.00E+00	0.00E+00	0.00E+00	9.49E-10
3712	380570.12	3734897.69	9.32E-09	0.00E+00	0.00E+00	0.00E+00	9.32E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09	9.54E-10	0.00E+00	0.00E+00	0.00E+00	9.54E-10
3713	380580.12	3734897.69	9.37E-09	0.00E+00	0.00E+00	0.00E+00	9.37E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09	9.60E-10	0.00E+00	0.00E+00	0.00E+00	9.60E-10
3714	380590.12	3734897.69	9.44E-09	0.00E+00	0.00E+00	0.00E+00	9.44E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09	9.66E-10	0.00E+00	0.00E+00	0.00E+00	9.66E-10
3715	380600.12	3734897.69	9.50E-09	0.00E+00	0.00E+00	0.00E+00	9.50E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09	9.73E-10	0.00E+00	0.00E+00	0.00E+00	9.73E-10
3716	380610.12	3734897.69	9.55E-09	0.00E+00	0.00E+00	0.00E+00	9.55E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09	9.79E-10	0.00E+00	0.00E+00	0.00E+00	9.79E-10
3717	380620.12	3734897.69	9.61E-09	0.00E+00	0.00E+00	0.00E+00	9.61E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09	9.84E-10	0.00E+00	0.00E+00	0.00E+00	9.84E-10
3718	380630.12	3734897.69	9.66E-09	0.00E+00	0.00E+00	0.00E+00	9.66E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09	9.89E-10	0.00E+00	0.00E+00	0.00E+00	9.89E-10
3719	380640.12	3734897.69	9.73E-09	0.00E+00	0.00E+00	0.00E+00	9.73E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09	9.96E-10	0.00E+00	0.00E+00	0.00E+00	9.96E-10
3720	380650.12	3734897.69	9.78E-09	0.00E+00	0.00E+00	0.00E+00	9.78E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09	1.00E-09	0.00E+00	0.00E+00	0.00E+00	1.00E-09
3721	380660.12	3734897.69	9.83E-09	0.00E+00	0.00E+00	0.00E+00	9.83E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
3722	380670.12	3734897.69	9.90E-09	0.00E+00	0.00E+00	0.00E+00	9.90E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
3723	380680.12	3734897.69	9.95E-09	0.00E+00	0.00E+00	0.00E+00	9.95E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
3724	380690.12	3734897.69	1.00E-08	0.00E+00	0.00E+00	0.00E+00	1.00E-08	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
3725	380700.12	3734897.69	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
3726	380710.12	3734897.69	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
3727	380720.12	3734897.69	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
3728	380730.12	3734897.69	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
3729	380740.12	3734897.69	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
3730	380750.12	3734897.69	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
3731	380760.12	3734897.69	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
3732	380770.12	3734897.69	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
3733	380780.12	3734897.69	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
3734	380790.12	3734897.69	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
3735	380800.12	3734897.69	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
3736	380810.12	3734897.69	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
3737	380820.12	3734897.69	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
3738	380830.12	3734897.69	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
3739	380840.12	3734897.69	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
3740	380850.12	3734897.69	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
3741	380860.12	3734897.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
3742	380870.12	3734897.69	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
3743	380880.12	3734897.69	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
3744	380890.12	3734897.69	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
3745	380900.12	3734897.69	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
3746	380910.12	3734897.69	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
3747	380920.12	3734897.69	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
3748	380930.12	3734897.69	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
3749	380940.12	3734897.69	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
3750	380950.12	3734897.69	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
3751	380960.12	3734897.69	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.81E-09	0.00E+00	0.00E+00	0.00E+00	1.81E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
3752	380970.12	3734897.69	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
3753	380980.12	3734897.69	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
3754	380990.12	3734897.69	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
3755	381000.12	3734897.69	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
3756	381010.12	3734897.69	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
3757	381020.12	3734897.69	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
3758	381030.12	3734897.69	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
3759	381040.12	3734897.69	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
3760	381050.12	3734897.69	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
3761	381060.12	3734897.69	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
3762	381070.12	3734897.69	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
3763	381080.12	3734897.69	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
3764	381090.12	3734897.69	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
3765	381100.12	3734897.69	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
3766	381110.12	3734897.69	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
3767	381120.12	3734897.69	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
3768	381130.12	3734897.69	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.03E-09	0.00E+00	0.00E+00	0.00E+00	2.03E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
3769	381140.12	3734897.69	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
3770	381150.12	3734897.69	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
3771	381160.12	3734897.69	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.06E-09	0.00E+00	0.00E+00	0.00E+00	2.06E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
3772	381170.12	3734897.69	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.07E-09	0.00E+00	0.00E+00	0.00E+00	2.07E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
3773	381180.12	3734897.69	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.08E-09	0.00E+00	0.00E+00	0.00E+00	2.08E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
3774	381190.12	3734897.69	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.10E-09	0.00E+00	0.00E+00	0.00E+00	2.10E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
3775	381200.12	3734897.69	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.11E-09	0.00E+00	0.00E+00	0.00E+00	2.11E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09
3776	381210.12	3734897.69	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.12E-09	0.00E+00	0.00E+00	0.00E+00	2.12E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09

3777	381220.12	3734897.69	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.13E-09	0.00E+00	0.00E+00	0.00E+00	2.13E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09
3778	381230.12	3734897.69	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.14E-09	0.00E+00	0.00E+00	0.00E+00	2.14E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
3779	381240.12	3734897.69	1.40E-08	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.16E-09	0.00E+00	0.00E+00	0.00E+00	2.16E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
3780	381250.12	3734897.69	1.41E-08	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.17E-09	0.00E+00	0.00E+00	0.00E+00	2.17E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09
3781	381260.12	3734897.69	1.41E-08	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.18E-09	0.00E+00	0.00E+00	0.00E+00	2.18E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09
3782	381270.12	3734897.69	1.42E-08	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.19E-09	0.00E+00	0.00E+00	0.00E+00	2.19E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09
3783	381280.12	3734897.69	1.43E-08	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.20E-09	0.00E+00	0.00E+00	0.00E+00	2.20E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09
3784	381290.12	3734897.69	1.43E-08	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.21E-09	0.00E+00	0.00E+00	0.00E+00	2.21E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09
3785	381300.12	3734897.69	1.44E-08	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.22E-09	0.00E+00	0.00E+00	0.00E+00	2.22E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09
3786	381310.12	3734897.69	1.45E-08	0.00E+00	0.00E+00	0.00E+00	1.45E-08	2.23E-09	0.00E+00	0.00E+00	0.00E+00	2.23E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09
3787	381320.12	3734897.69	1.45E-08	0.00E+00	0.00E+00	0.00E+00	1.45E-08	2.24E-09	0.00E+00	0.00E+00	0.00E+00	2.24E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09
3788	381330.12	3734897.69	1.46E-08	0.00E+00	0.00E+00	0.00E+00	1.46E-08	2.25E-09	0.00E+00	0.00E+00	0.00E+00	2.25E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09
3789	381340.12	3734897.69	1.47E-08	0.00E+00	0.00E+00	0.00E+00	1.47E-08	2.26E-09	0.00E+00	0.00E+00	0.00E+00	2.26E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09
3790	380450.12	3734907.69	8.66E-09	0.00E+00	0.00E+00	0.00E+00	8.66E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09	8.87E-10	0.00E+00	0.00E+00	0.00E+00	8.87E-10
3791	380460.12	3734907.69	8.72E-09	0.00E+00	0.00E+00	0.00E+00	8.72E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09	8.94E-10	0.00E+00	0.00E+00	0.00E+00	8.94E-10
3792	380470.12	3734907.69	8.78E-09	0.00E+00	0.00E+00	0.00E+00	8.78E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09	8.99E-10	0.00E+00	0.00E+00	0.00E+00	8.99E-10
3793	380480.12	3734907.69	8.84E-09	0.00E+00	0.00E+00	0.00E+00	8.84E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09	9.06E-10	0.00E+00	0.00E+00	0.00E+00	9.06E-10
3794	380490.12	3734907.69	8.89E-09	0.00E+00	0.00E+00	0.00E+00	8.89E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09	9.11E-10	0.00E+00	0.00E+00	0.00E+00	9.11E-10
3795	380500.12	3734907.69	8.96E-09	0.00E+00	0.00E+00	0.00E+00	8.96E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09	9.18E-10	0.00E+00	0.00E+00	0.00E+00	9.18E-10
3796	380510.12	3734907.69	9.03E-09	0.00E+00	0.00E+00	0.00E+00	9.03E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09	9.25E-10	0.00E+00	0.00E+00	0.00E+00	9.25E-10
3797	380520.12	3734907.69	9.09E-09	0.00E+00	0.00E+00	0.00E+00	9.09E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09	9.31E-10	0.00E+00	0.00E+00	0.00E+00	9.31E-10
3798	380530.12	3734907.69	9.16E-09	0.00E+00	0.00E+00	0.00E+00	9.16E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09	9.38E-10	0.00E+00	0.00E+00	0.00E+00	9.38E-10
3799	380540.12	3734907.69	9.21E-09	0.00E+00	0.00E+00	0.00E+00	9.21E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09	9.43E-10	0.00E+00	0.00E+00	0.00E+00	9.43E-10
3800	380550.12	3734907.69	9.26E-09	0.00E+00	0.00E+00	0.00E+00	9.26E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09	9.49E-10	0.00E+00	0.00E+00	0.00E+00	9.49E-10
3801	380560.12	3734907.69	9.33E-09	0.00E+00	0.00E+00	0.00E+00	9.33E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09	9.56E-10	0.00E+00	0.00E+00	0.00E+00	9.56E-10
3802	380570.12	3734907.69	9.38E-09	0.00E+00	0.00E+00	0.00E+00	9.38E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09	9.61E-10	0.00E+00	0.00E+00	0.00E+00	9.61E-10
3803	380580.12	3734907.69	9.45E-09	0.00E+00	0.00E+00	0.00E+00	9.45E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09	9.68E-10	0.00E+00	0.00E+00	0.00E+00	9.68E-10
3804	380590.12	3734907.69	9.50E-09	0.00E+00	0.00E+00	0.00E+00	9.50E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09	9.73E-10	0.00E+00	0.00E+00	0.00E+00	9.73E-10
3805	380600.12	3734907.69	9.57E-09	0.00E+00	0.00E+00	0.00E+00	9.57E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09	9.80E-10	0.00E+00	0.00E+00	0.00E+00	9.80E-10
3806	380610.12	3734907.69	9.63E-09	0.00E+00	0.00E+00	0.00E+00	9.63E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09	9.87E-10	0.00E+00	0.00E+00	0.00E+00	9.87E-10
3807	380620.12	3734907.69	9.69E-09	0.00E+00	0.00E+00	0.00E+00	9.69E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09	9.92E-10	0.00E+00	0.00E+00	0.00E+00	9.92E-10
3808	380630.12	3734907.69	9.74E-09	0.00E+00	0.00E+00	0.00E+00	9.74E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09	9.97E-10	0.00E+00	0.00E+00	0.00E+00	9.97E-10
3809	380640.12	3734907.69	9.79E-09	0.00E+00	0.00E+00	0.00E+00	9.79E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09	1.00E-09	0.00E+00	0.00E+00	0.00E+00	1.00E-09
3810	380650.12	3734907.69	9.86E-09	0.00E+00	0.00E+00	0.00E+00	9.86E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
3811	380660.12	3734907.69	9.92E-09	0.00E+00	0.00E+00	0.00E+00	9.92E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
3812	380670.12	3734907.69	9.98E-09	0.00E+00	0.00E+00	0.00E+00	9.98E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
3813	380680.12	3734907.69	1.00E-08	0.00E+00	0.00E+00	0.00E+00	1.00E-08	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
3814	380690.12	3734907.69	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
3815	380700.12	3734907.69	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
3816	380710.12	3734907.69	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
3817	380720.12	3734907.69	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
3818	380730.12	3734907.69	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
3819	380740.12	3734907.69	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
3820	380750.12	3734907.69	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
3821	380760.12	3734907.69	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
3822	380770.12	3734907.69	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
3823	380780.12	3734907.69	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
3824	380790.12	3734907.69	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
3825	380800.12	3734907.69	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
3826	380810.12	3734907.69	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
3827	380820.12	3734907.69	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
3828	380830.12	3734907.69	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
3829	380840.12	3734907.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
3830	380850.12	3734907.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
3831	380860.12	3734907.69	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
3832	380870.12	3734907.69	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
3833	380880.12	3734907.69	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
3834	380890.12	3734907.69	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
3835	380900.12	3734907.69	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
3836	380910.12	3734907.69	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
3837	380920.12	3734907.69	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
3838	380930.12	3734907.69	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
3839	380940.12	3734907.69	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
3840	380950.12	3734907.69	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.81E-09	0.00E+00	0.00E+00	0.00E+00	1.81E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
3841	380960.12	3734907.69	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
3842	380970.12	3734907.69	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
3843	380980.12	3734907.69	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
3844	380990.12	3734907.69	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
3845	381000.12	3734907.69	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
3846	381010.12	3734907.69	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
3847	381020.12	3734907.69	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
3848	381030.12	3734907.69	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
3849	381040.12	3734907.69	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
3850	381050.12	3734907.69	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
3851	381060.12	3734907.69	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
3852	381070.12	3734907.69	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
3853	381080.12	3734907.69	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
3854	381090.12	3734907.69	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
3855	381100.12	3734907.69	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
3856	381110.12	3734907.69	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
3857	381120.12	3734907.69	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
3858	381130.12	3734907.69	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
3859	381140.12	3734907.69	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.06E-09	0.00E+00	0.00E+00	0.00E+00	2.06E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
3860	381150.12	3734907.69	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.07E-09	0.00E+00	0.00E+00	0.00E+00	2.07E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
3861	381160.12	3734907.69	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.08E-09	0.00E+00	0.00E+00	0.00E+00	2.08E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
3862	381170.12	3734907.69	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.09E-09	0.00E+00	0.00E+00	0.00E+00	2.09E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
3863	381180.12	3734907.69	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.10E-09	0.00E+00	0.00E+00	0.00E+00	2.10E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09
3864	381190.12	3734907.69	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.12E-09	0.00E+00	0.00E+00	0.00E+00	2.12E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
3865	381200.12	3734907.69	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.13E-09	0.00E+00	0.00E+00	0.00E+00	2.13E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
3866	381210.12	3734907.69	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.14E-09	0.00E+00	0.00E+00	0.00E+00	2.14E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09
3867	381220.12	3734907.69	1.40E-08	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.15E-09	0.00E+00	0.00E+00	0.00E+00	2.15E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
3868	381230.12	3734907.69	1.41E-08	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.17E-09	0.00E+00	0.00E+00	0.00E+00	2.17E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09
3869	381240.12	3734907.69	1.42E-08	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.18E-09	0.00E+00	0.00E+00	0.00E+00	2.18E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09
3870	381250.12	3734907.69	1.42E-08	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.19E-09	0.00E+00	0.00E+00	0.00E+00	2.19E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09
3871	381260.12	3734907.69	1.43E-08	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.20E-09	0.00E+00	0.00E+00	0.00E+00	2.20E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09
3872	381270.12	3734907.69	1.44E-08	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.21E-09	0.00E+00	0.00E+00	0.00E+00	2.21E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09
3873	381280.12	3734907.69	1.44E-08	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.22E-09	0.00E+00	0.00E+00	0.00E+00	2.22E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09
3874	381290.12	3734907.69	1.45E-08	0.00E+00	0.00E+00	0.00E+00	1.45E-08	2.23E-09	0.00E+00	0.00E+00	0.00E+00	2.23E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09
3875	381300.12	3734907.69	1.45E-08	0.00E+00	0.00E+00	0.00E+00	1.45E-08	2.24E-09	0.00E+00	0.00E+00	0.00E+00	2.24E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09
3876	381310.12	3734907.69	1.46E-08	0.00E+00	0.00E+00	0.00E+00	1.46E-08	2.25E-09	0.00E+00	0.00E+00	0.00E+00	2.25E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09
3877	381320.12	3734907.69	1.47E-08	0.00E+00	0.00E+00	0.00E+00	1.47E-08	2.26E-09	0.00E+00	0.00E+00	0.00E+00	2.26E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09
3878	381330.12	3734907.69	1.48E-08	0.00E+00	0.00E+00	0.00E+00	1.48E-08	2.27E-09	0.00E+00	0.00E+00	0.00E+00	2.27E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09
3879	381340.12	3734907.69	1.49E-08	0.00E+00	0.00E+00	0.00E+00	1.49E-08	2.29E-09	0.00E+00	0.00E+00	0.00E+00	2.29E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09
3880	380470.12	3734917.69	8.84E-09	0.00E+00	0.00E+00	0.00E+00	8.84E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09	9.06E-10	0.00E+00	0.00E+00	0.00E+00	9.06E-10
3881	380480.12	3734917.69	8.91E-09	0.00E+00	0.00E+00	0.00E+00	8.91E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09	9.12E-10	0.00E+00	0.00E+00	0.00E+00	9.12E-10

3882	380490.12	3734917.69	8.96E-09	0.00E+00	0.00E+00	0.00E+00	8.96E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09	9.18E-10	0.00E+00	0.00E+00	0.00E+00	9.18E-10
3883	380500.12	3734917.69	9.03E-09	0.00E+00	0.00E+00	0.00E+00	9.03E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09	9.25E-10	0.00E+00	0.00E+00	0.00E+00	9.25E-10
3884	380510.12	3734917.69	9.09E-09	0.00E+00	0.00E+00	0.00E+00	9.09E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09	9.31E-10	0.00E+00	0.00E+00	0.00E+00	9.31E-10
3885	380520.12	3734917.69	9.16E-09	0.00E+00	0.00E+00	0.00E+00	9.16E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09	9.38E-10	0.00E+00	0.00E+00	0.00E+00	9.38E-10
3886	380530.12	3734917.69	9.22E-09	0.00E+00	0.00E+00	0.00E+00	9.22E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09	9.45E-10	0.00E+00	0.00E+00	0.00E+00	9.45E-10
3887	380540.12	3734917.69	9.28E-09	0.00E+00	0.00E+00	0.00E+00	9.28E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09	9.50E-10	0.00E+00	0.00E+00	0.00E+00	9.50E-10
3888	380550.12	3734917.69	9.34E-09	0.00E+00	0.00E+00	0.00E+00	9.34E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09	9.57E-10	0.00E+00	0.00E+00	0.00E+00	9.57E-10
3889	380560.12	3734917.69	9.40E-09	0.00E+00	0.00E+00	0.00E+00	9.40E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09	9.62E-10	0.00E+00	0.00E+00	0.00E+00	9.62E-10
3890	380570.12	3734917.69	9.45E-09	0.00E+00	0.00E+00	0.00E+00	9.45E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09	9.68E-10	0.00E+00	0.00E+00	0.00E+00	9.68E-10
3891	380580.12	3734917.69	9.51E-09	0.00E+00	0.00E+00	0.00E+00	9.51E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09	9.74E-10	0.00E+00	0.00E+00	0.00E+00	9.74E-10
3892	380590.12	3734917.69	9.57E-09	0.00E+00	0.00E+00	0.00E+00	9.57E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09	9.80E-10	0.00E+00	0.00E+00	0.00E+00	9.80E-10
3893	380600.12	3734917.69	9.63E-09	0.00E+00	0.00E+00	0.00E+00	9.63E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09	9.87E-10	0.00E+00	0.00E+00	0.00E+00	9.87E-10
3894	380610.12	3734917.69	9.70E-09	0.00E+00	0.00E+00	0.00E+00	9.70E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09	9.93E-10	0.00E+00	0.00E+00	0.00E+00	9.93E-10
3895	380620.12	3734917.69	9.75E-09	0.00E+00	0.00E+00	0.00E+00	9.75E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09	9.99E-10	0.00E+00	0.00E+00	0.00E+00	9.99E-10
3896	380630.12	3734917.69	9.82E-09	0.00E+00	0.00E+00	0.00E+00	9.82E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
3897	380640.12	3734917.69	9.88E-09	0.00E+00	0.00E+00	0.00E+00	9.88E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
3898	380650.12	3734917.69	9.95E-09	0.00E+00	0.00E+00	0.00E+00	9.95E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
3899	380660.12	3734917.69	1.00E-08	0.00E+00	0.00E+00	0.00E+00	1.00E-08	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
3900	380670.12	3734917.69	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
3901	380680.12	3734917.69	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
3902	380690.12	3734917.69	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
3903	380700.12	3734917.69	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
3904	380710.12	3734917.69	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
3905	380720.12	3734917.69	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
3906	380730.12	3734917.69	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
3907	380740.12	3734917.69	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
3908	380750.12	3734917.69	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
3909	380760.12	3734917.69	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
3910	380770.12	3734917.69	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
3911	380780.12	3734917.69	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
3912	380790.12	3734917.69	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
3913	380800.12	3734917.69	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
3914	380810.12	3734917.69	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
3915	380820.12	3734917.69	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
3916	380830.12	3734917.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
3917	380840.12	3734917.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
3918	380850.12	3734917.69	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
3919	380860.12	3734917.69	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
3920	380870.12	3734917.69	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
3921	380880.12	3734917.69	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
3922	380890.12	3734917.69	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
3923	380900.12	3734917.69	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
3924	380910.12	3734917.69	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
3925	380920.12	3734917.69	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
3926	380930.12	3734917.69	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
3927	380940.12	3734917.69	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.81E-09	0.00E+00	0.00E+00	0.00E+00	1.81E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
3928	380950.12	3734917.69	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
3929	380960.12	3734917.69	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
3930	380970.12	3734917.69	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
3931	380980.12	3734917.69	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
3932	380990.12	3734917.69	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
3933	381000.12	3734917.69	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.90E-09	0.00E+00	0.00E+00	0.00E+00	1.90E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
3934	381010.12	3734917.69	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
3935	381020.12	3734917.69	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
3936	381030.12	3734917.69	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
3937	381040.12	3734917.69	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
3938	381050.12	3734917.69	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
3939	381060.12	3734917.69	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
3940	381070.12	3734917.69	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
3941	381080.12	3734917.69	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
3942	381090.12	3734917.69	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
3943	381100.12	3734917.69	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.03E-09	0.00E+00	0.00E+00	0.00E+00	2.03E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
3944	381110.12	3734917.69	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
3945	381120.12	3734917.69	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
3946	381130.12	3734917.69	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.07E-09	0.00E+00	0.00E+00	0.00E+00	2.07E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
3947	381140.12	3734917.69	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.08E-09	0.00E+00	0.00E+00	0.00E+00	2.08E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
3948	381150.12	3734917.69	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.09E-09	0.00E+00	0.00E+00	0.00E+00	2.09E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
3949	381160.12	3734917.69	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.10E-09	0.00E+00	0.00E+00	0.00E+00	2.10E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09
3950	381170.12	3734917.69	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.11E-09	0.00E+00	0.00E+00	0.00E+00	2.11E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
3951	381180.12	3734917.69	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.13E-09	0.00E+00	0.00E+00	0.00E+00	2.13E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
3952	381190.12	3734917.69	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.14E-09	0.00E+00	0.00E+00	0.00E+00	2.14E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09
3953	381200.12	3734917.69	1.40E-08	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.15E-09	0.00E+00	0.00E+00	0.00E+00	2.15E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
3954	381210.12	3734917.69	1.40E-08	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.16E-09	0.00E+00	0.00E+00	0.00E+00	2.16E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09
3955	381220.12	3734917.69	1.41E-08	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.18E-09	0.00E+00	0.00E+00	0.00E+00	2.18E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09
3956	381230.12	3734917.69	1.42E-08	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.19E-09	0.00E+00	0.00E+00	0.00E+00	2.19E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09
3957	381240.12	3734917.69	1.43E-08	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.20E-09	0.00E+00	0.00E+00	0.00E+00	2.20E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09
3958	381250.12	3734917.69	1.44E-08	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.22E-09	0.00E+00	0.00E+00	0.00E+00	2.22E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09
3959	381260.12	3734917.69	1.44E-08	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.23E-09	0.00E+00	0.00E+00	0.00E+00	2.23E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09
3960	381270.12	3734917.69	1.45E-08	0.00E+00	0.00E+00	0.00E+00	1.45E-08	2.24E-09	0.00E+00	0.00E+00	0.00E+00	2.24E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09
3961	381280.12	3734917.69	1.46E-08	0.00E+00	0.00E+00	0.00E+00	1.46E-08	2.24E-09	0.00E+00	0.00E+00	0.00E+00	2.24E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09
3962	381290.12	3734917.69	1.46E-08	0.00E+00	0.00E+00	0.00E+00	1.46E-08	2.25E-09	0.00E+00	0.00E+00	0.00E+00	2.25E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09
3963	381300.12	3734917.69	1.47E-08	0.00E+00	0.00E+00	0.00E+00	1.47E-08	2.26E-09	0.00E+00	0.00E+00	0.00E+00	2.26E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09
3964	381310.12	3734917.69	1.48E-08	0.00E+00	0.00E+00	0.00E+00	1.48E-08	2.27E-09	0.00E+00	0.00E+00	0.00E+00	2.27E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09
3965	381320.12	3734917.69	1.48E-08	0.00E+00	0.00E+00	0.00E+00	1.48E-08	2.29E-09	0.00E+00	0.00E+00	0.00E+00	2.29E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09
3966	381330.12	3734917.69	1.49E-08	0.00E+00	0.00E+00	0.00E+00	1.49E-08	2.30E-09	0.00E+00	0.00E+00	0.00E+00	2.30E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09
3967	381340.12	3734917.69	1.50E-08	0.00E+00	0.00E+00	0.00E+00	1.50E-08	2.32E-09	0.00E+00	0.00E+00	0.00E+00	2.32E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09
3968	380480.12	3734927.69	8.96E-09	0.00E+00	0.00E+00	0.00E+00	8.96E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09	9.18E-10	0.00E+00	0.00E+00	0.00E+00	9.18E-10
3969	380490.12	3734927.69	9.03E-09	0.00E+00	0.00E+00	0.00E+00	9.03E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09	9.25E-10	0.00E+00	0.00E+00	0.00E+00	9.25E-10
3970	380500.12	3734927.69	9.09E-09	0.00E+00	0.00E+00	0.00E+00	9.09E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09	9.31E-10	0.00E+00	0.00E+00	0.00E+00	9.31E-10
3971	380510.12	3734927.69	9.16E-09	0.00E+00	0.00E+00	0.00E+00	9.16E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09	9.38E-10	0.00E+00	0.00E+00	0.00E+00	9.38E-10
3972	380520.12	3734927.69	9.22E-09	0.00E+00	0.00E+00	0.00E+00	9.22E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09	9.45E-10	0.00E+00	0.00E+00	0.00E+00	9.45E-10
3973	380530.12	3734927.69	9.29E-09	0.00E+00	0.00E+00	0.00E+00	9.29E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09	9.52E-10	0.00E+00	0.00E+00	0.00E+00	9.52E-10
3974	380540.12	3734927.69	9.34E-09	0.00E+00	0.00E+00	0.00E+00	9.34E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09	9.57E-10	0.00E+00	0.00E+00	0.00E+00	9.57E-10
3975	380550.12	3734927.69	9.41E-09	0.00E+00	0.00E+00	0.00E+00	9.41E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09	9.64E-10	0.00E+00	0.00E+00	0.00E+00	9.64E-10
3976	380560.12	3734927.69	9.46E-09	0.00E+00	0.00E+00	0.00E+00	9.46E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09	9.69E-10	0.00E+00	0.00E+00	0.00E+00	9.69E-10
3977	380570.12	3734927.69	9.53E-09	0.00E+00	0.00E+00	0.00E+00	9.53E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09	9.76E-10	0.00E+00	0.00E+00	0.00E+00	9.76E-10
3978	380580.12	3734927.69	9.58E-09	0.00E+00	0.00E+00	0.00E+00	9.58E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09	9.81E-10	0.00E+00	0.00E+00	0.00E+00	9.81E-10
3979	380590.12	3734927.69	9.63E-09	0.00E+00	0.00E+00	0.00E+00	9.63E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09	9.87E-10	0.00E+00	0.00E+00	0.00E+00	9.87E-10
3980	380600.12	3734927.69	9.70E-09	0.00E+00	0.00E+00	0.00E+00	9.70E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09	9.93E-10	0.00E+00	0.00E+00	0.00E+00	9.93E-10
3981	380610.12	3734927.69	9.76E-09	0.00E+00	0.00E+00	0.00E+00	9.76E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09	1.00E-09	0.00E+00	0.00E+00	0.00E+00	1.00E-09
3982	380620.12	3734927.69	9.83E-09	0.00E+00	0.00E+00	0.00E+00	9.83E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
3983	380630.12	3734927.69	9.90E-09	0.00E+00	0.00E+00	0.00E+00	9.90E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
3984	380640.12	3734927.69	9.96E-09	0.00E+00	0.00E+00	0.00E+00	9.96E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
3985	380650.12	3734927.69	1.00E-08	0.00E+00	0.00E+00	0.00E+00	1.00E-08	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
3986	380660.12	3734927.69	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09

3987	380670.12	3734927.69	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
3988	380680.12	3734927.69	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
3989	380690.12	3734927.69	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
3990	380700.12	3734927.69	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
3991	380710.12	3734927.69	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
3992	380720.12	3734927.69	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
3993	380730.12	3734927.69	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
3994	380740.12	3734927.69	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
3995	380750.12	3734927.69	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
3996	380760.12	3734927.69	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
3997	380770.12	3734927.69	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
3998	380780.12	3734927.69	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
3999	380790.12	3734927.69	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
4000	380800.12	3734927.69	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
4001	380810.12	3734927.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
4002	380820.12	3734927.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
4003	380830.12	3734927.69	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
4004	380840.12	3734927.69	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
4005	380850.12	3734927.69	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
4006	380860.12	3734927.69	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
4007	380870.12	3734927.69	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
4008	380880.12	3734927.69	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
4009	380890.12	3734927.69	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
4010	380900.12	3734927.69	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
4011	380910.12	3734927.69	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
4012	380920.12	3734927.69	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
4013	380930.12	3734927.69	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
4014	380940.12	3734927.69	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
4015	380950.12	3734927.69	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
4016	380960.12	3734927.69	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
4017	380970.12	3734927.69	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
4018	380980.12	3734927.69	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
4019	380990.12	3734927.69	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.90E-09	0.00E+00	0.00E+00	0.00E+00	1.90E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
4020	381000.12	3734927.69	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
4021	381010.12	3734927.69	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
4022	381300.12	3734927.69	1.48E-08	0.00E+00	0.00E+00	0.00E+00	1.48E-08	2.29E-09	0.00E+00	0.00E+00	0.00E+00	2.29E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09
4023	381310.12	3734927.69	1.49E-08	0.00E+00	0.00E+00	0.00E+00	1.49E-08	2.30E-09	0.00E+00	0.00E+00	0.00E+00	2.30E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09
4024	381320.12	3734927.69	1.50E-08	0.00E+00	0.00E+00	0.00E+00	1.50E-08	2.31E-09	0.00E+00	0.00E+00	0.00E+00	2.31E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09
4025	381330.12	3734927.69	1.51E-08	0.00E+00	0.00E+00	0.00E+00	1.51E-08	2.33E-09	0.00E+00	0.00E+00	0.00E+00	2.33E-09	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09
4026	381340.12	3734927.69	1.52E-08	0.00E+00	0.00E+00	0.00E+00	1.52E-08	2.35E-09	0.00E+00	0.00E+00	0.00E+00	2.35E-09	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09
4027	380500.12	3734937.69	9.16E-09	0.00E+00	0.00E+00	0.00E+00	9.16E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09	9.38E-10	0.00E+00	0.00E+00	0.00E+00	9.38E-10
4028	380510.12	3734937.69	9.22E-09	0.00E+00	0.00E+00	0.00E+00	9.22E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09	9.45E-10	0.00E+00	0.00E+00	0.00E+00	9.45E-10
4029	380520.12	3734937.69	9.29E-09	0.00E+00	0.00E+00	0.00E+00	9.29E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09	9.52E-10	0.00E+00	0.00E+00	0.00E+00	9.52E-10
4030	380530.12	3734937.69	9.36E-09	0.00E+00	0.00E+00	0.00E+00	9.36E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09	9.58E-10	0.00E+00	0.00E+00	0.00E+00	9.58E-10
4031	380540.12	3734937.69	9.42E-09	0.00E+00	0.00E+00	0.00E+00	9.42E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09	9.65E-10	0.00E+00	0.00E+00	0.00E+00	9.65E-10
4032	380550.12	3734937.69	9.47E-09	0.00E+00	0.00E+00	0.00E+00	9.47E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09	9.70E-10	0.00E+00	0.00E+00	0.00E+00	9.70E-10
4033	380560.12	3734937.69	9.54E-09	0.00E+00	0.00E+00	0.00E+00	9.54E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09	9.77E-10	0.00E+00	0.00E+00	0.00E+00	9.77E-10
4034	380570.12	3734937.69	9.59E-09	0.00E+00	0.00E+00	0.00E+00	9.59E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09	9.83E-10	0.00E+00	0.00E+00	0.00E+00	9.83E-10
4035	380580.12	3734937.69	9.65E-09	0.00E+00	0.00E+00	0.00E+00	9.65E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09	9.88E-10	0.00E+00	0.00E+00	0.00E+00	9.88E-10
4036	380590.12	3734937.69	9.71E-09	0.00E+00	0.00E+00	0.00E+00	9.71E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09	9.95E-10	0.00E+00	0.00E+00	0.00E+00	9.95E-10
4037	380600.12	3734937.69	9.76E-09	0.00E+00	0.00E+00	0.00E+00	9.76E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09	1.00E-09	0.00E+00	0.00E+00	0.00E+00	1.00E-09
4038	380610.12	3734937.69	9.83E-09	0.00E+00	0.00E+00	0.00E+00	9.83E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
4039	380620.12	3734937.69	9.91E-09	0.00E+00	0.00E+00	0.00E+00	9.91E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
4040	380630.12	3734937.69	9.98E-09	0.00E+00	0.00E+00	0.00E+00	9.98E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
4041	380640.12	3734937.69	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
4042	380650.12	3734937.69	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
4043	380660.12	3734937.69	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
4044	380670.12	3734937.69	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
4045	380680.12	3734937.69	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
4046	380690.12	3734937.69	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
4047	380700.12	3734937.69	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
4048	380710.12	3734937.69	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
4049	380720.12	3734937.69	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
4050	380730.12	3734937.69	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
4051	380740.12	3734937.69	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
4052	380750.12	3734937.69	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
4053	380760.12	3734937.69	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
4054	380770.12	3734937.69	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
4055	380780.12	3734937.69	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
4056	380790.12	3734937.69	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
4057	380800.12	3734937.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
4058	380810.12	3734937.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
4059	380820.12	3734937.69	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
4060	380830.12	3734937.69	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
4061	380840.12	3734937.69	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
4062	380850.12	3734937.69	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
4063	380860.12	3734937.69	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
4064	380870.12	3734937.69	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
4065	380880.12	3734937.69	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
4066	380890.12	3734937.69	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
4067	380900.12	3734937.69	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
4068	381300.12	3734937.69	1.50E-08	0.00E+00	0.00E+00	0.00E+00	1.50E-08	2.31E-09	0.00E+00	0.00E+00	0.00E+00	2.31E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09
4069	381310.12	3734937.69	1.51E-08	0.00E+00	0.00E+00	0.00E+00	1.51E-08	2.33E-09	0.00E+00	0.00E+00	0.00E+00	2.33E-09	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09
4070	381320.12	3734937.69	1.52E-08	0.00E+00	0.00E+00	0.00E+00	1.52E-08	2.34E-09	0.00E+00	0.00E+00	0.00E+00	2.34E-09	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09
4071	381330.12	3734937.69	1.53E-08	0.00E+00	0.00E+00	0.00E+00	1.53E-08	2.36E-09	0.00E+00	0.00E+00	0.00E+00	2.36E-09	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09
4072	381340.12	3734937.69	1.54E-08	0.00E+00	0.00E+00	0.00E+00	1.54E-08	2.37E-09	0.00E+00	0.00E+00	0.00E+00	2.37E-09	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09
4073	380520.12	3734947.69	9.36E-09	0.00E+00	0.00E+00	0.00E+00	9.36E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09	9.58E-10	0.00E+00	0.00E+00	0.00E+00	9.58E-10
4074	380530.12	3734947.69	9.42E-09	0.00E+00	0.00E+00	0.00E+00	9.42E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09	9.65E-10	0.00E+00	0.00E+00	0.00E+00	9.65E-10
4075	380540.12	3734947.69	9.49E-09	0.00E+00	0.00E+00	0.00E+00	9.49E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09	9.72E-10	0.00E+00	0.00E+00	0.00E+00	9.72E-10
4076	380550.12	3734947.69	9.55E-09	0.00E+00	0.00E+00	0.00E+00	9.55E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09	9.79E-10	0.00E+00	0.00E+00	0.00E+00	9.79E-10
4077	380560.12	3734947.69	9.61E-09	0.00E+00	0.00E+00	0.00E+00	9.61E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09	9.84E-10	0.00E+00	0.00E+00	0.00E+00	9.84E-10
4078	380570.12	3734947.69	9.67E-09	0.00E+00	0.00E+00	0.00E+00	9.67E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09	9.91E-10	0.00E+00	0.00E+00	0.00E+00	9.91E-10
4079	380580.12	3734947.69	9.73E-09	0.00E+00	0.00E+00	0.00E+00	9.73E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09	9.96E-10	0.00E+00	0.00E+00	0.00E+00	9.96E-10
4080	380590.12	3734947.69	9.79E-09	0.00E+00	0.00E+00	0.00E+00	9.79E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09	1.00E-09	0.00E+00	0.00E+00	0.00E+00	1.00E-09
4081	380600.12	3734947.69	9.84E-09	0.00E+00	0.00E+00	0.00E+00	9.84E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
4082	380610.12	3734947.69	9.91E-09	0.00E+00	0.00E+00	0.00E+00	9.91E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
4083	380620.12	3734947.69	9.99E-09	0.00E+00	0.00E+00	0.00E+00	9.99E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
4084	380630.12	3734947.69	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
4085	380640.12	3734947.69	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
4086	380650.12	3734947.69	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
4087	380660.12	3734947.69	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
4088	380670.12	3734947.69	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
4089	380680.12	3734947.69	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
4090	380690.12	3734947.69	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
4091	380700.12	3734947.69	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09

4092	380710.12	3734947.69	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
4093	380720.12	3734947.69	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
4094	380730.12	3734947.69	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
4095	380740.12	3734947.69	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
4096	380750.12	3734947.69	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
4097	380760.12	3734947.69	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
4098	380770.12	3734947.69	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
4099	380780.12	3734947.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
4100	380790.12	3734947.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
4101	380800.12	3734947.69	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
4102	380810.12	3734947.69	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
4103	380820.12	3734947.69	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
4104	380830.12	3734947.69	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
4105	380840.12	3734947.69	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
4106	380850.12	3734947.69	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
4107	380860.12	3734947.69	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
4108	380870.12	3734947.69	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
4109	380880.12	3734947.69	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
4110	380890.12	3734947.69	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
4111	380900.12	3734947.69	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.81E-09	0.00E+00	0.00E+00	0.00E+00	1.81E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
4112	380930.12	3734947.69	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
4113	380940.12	3734947.69	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
4114	380950.12	3734947.69	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
4115	380960.12	3734947.69	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
4116	380970.12	3734947.69	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.90E-09	0.00E+00	0.00E+00	0.00E+00	1.90E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
4117	380980.12	3734947.69	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
4118	380990.12	3734947.69	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
4119	381000.12	3734947.69	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
4120	381010.12	3734947.69	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
4121	381020.12	3734947.69	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
4122	381030.12	3734947.69	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
4123	381040.12	3734947.69	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
4124	381050.12	3734947.69	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
4125	381060.12	3734947.69	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.03E-09	0.00E+00	0.00E+00	0.00E+00	2.03E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
4126	381070.12	3734947.69	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
4127	381080.12	3734947.69	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.06E-09	0.00E+00	0.00E+00	0.00E+00	2.06E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
4128	381090.12	3734947.69	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.07E-09	0.00E+00	0.00E+00	0.00E+00	2.07E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
4129	381100.12	3734947.69	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.09E-09	0.00E+00	0.00E+00	0.00E+00	2.09E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
4130	381110.12	3734947.69	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.10E-09	0.00E+00	0.00E+00	0.00E+00	2.10E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09
4131	381300.12	3734947.69	1.52E-08	0.00E+00	0.00E+00	0.00E+00	1.52E-08	2.34E-09	0.00E+00	0.00E+00	0.00E+00	2.34E-09	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09
4132	381310.12	3734947.69	1.53E-08	0.00E+00	0.00E+00	0.00E+00	1.53E-08	2.35E-09	0.00E+00	0.00E+00	0.00E+00	2.35E-09	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09
4133	381320.12	3734947.69	1.54E-08	0.00E+00	0.00E+00	0.00E+00	1.54E-08	2.37E-09	0.00E+00	0.00E+00	0.00E+00	2.37E-09	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09
4134	381330.12	3734947.69	1.55E-08	0.00E+00	0.00E+00	0.00E+00	1.55E-08	2.39E-09	0.00E+00	0.00E+00	0.00E+00	2.39E-09	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09
4135	381340.12	3734947.69	1.56E-08	0.00E+00	0.00E+00	0.00E+00	1.56E-08	2.40E-09	0.00E+00	0.00E+00	0.00E+00	2.40E-09	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09
4136	380530.12	3734957.69	9.50E-09	0.00E+00	0.00E+00	0.00E+00	9.50E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09	9.73E-10	0.00E+00	0.00E+00	0.00E+00	9.73E-10
4137	380540.12	3734957.69	9.57E-09	0.00E+00	0.00E+00	0.00E+00	9.57E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09	9.80E-10	0.00E+00	0.00E+00	0.00E+00	9.80E-10
4138	380550.12	3734957.69	9.63E-09	0.00E+00	0.00E+00	0.00E+00	9.63E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09	9.87E-10	0.00E+00	0.00E+00	0.00E+00	9.87E-10
4139	380560.12	3734957.69	9.69E-09	0.00E+00	0.00E+00	0.00E+00	9.69E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09	9.92E-10	0.00E+00	0.00E+00	0.00E+00	9.92E-10
4140	380570.12	3734957.69	9.75E-09	0.00E+00	0.00E+00	0.00E+00	9.75E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09	9.99E-10	0.00E+00	0.00E+00	0.00E+00	9.99E-10
4141	380580.12	3734957.69	9.80E-09	0.00E+00	0.00E+00	0.00E+00	9.80E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09	1.00E-09	0.00E+00	0.00E+00	0.00E+00	1.00E-09
4142	380590.12	3734957.69	9.87E-09	0.00E+00	0.00E+00	0.00E+00	9.87E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
4143	380600.12	3734957.69	9.92E-09	0.00E+00	0.00E+00	0.00E+00	9.92E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
4144	380610.12	3734957.69	9.99E-09	0.00E+00	0.00E+00	0.00E+00	9.99E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
4145	380620.12	3734957.69	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
4146	380630.12	3734957.69	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
4147	380640.12	3734957.69	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
4148	380650.12	3734957.69	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
4149	380660.12	3734957.69	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
4150	380670.12	3734957.69	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
4151	380680.12	3734957.69	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
4152	380690.12	3734957.69	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
4153	380700.12	3734957.69	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
4154	380710.12	3734957.69	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
4155	380720.12	3734957.69	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
4156	380730.12	3734957.69	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
4157	380740.12	3734957.69	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
4158	380750.12	3734957.69	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
4159	380760.12	3734957.69	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
4160	380770.12	3734957.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
4161	380780.12	3734957.69	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
4162	380790.12	3734957.69	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
4163	380800.12	3734957.69	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
4164	380810.12	3734957.69	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
4165	380820.12	3734957.69	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
4166	380830.12	3734957.69	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
4167	380840.12	3734957.69	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
4168	380850.12	3734957.69	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
4169	380860.12	3734957.69	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
4170	380870.12	3734957.69	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
4171	380880.12	3734957.69	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
4172	380890.12	3734957.69	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.81E-09	0.00E+00	0.00E+00	0.00E+00	1.81E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
4173	380900.12	3734957.69	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
4174	380930.12	3734957.69	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
4175	380940.12	3734957.69	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
4176	380950.12	3734957.69	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
4177	380960.12	3734957.69	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
4178	380970.12	3734957.69	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
4179	380980.12	3734957.69	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
4180	380990.12	3734957.69	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
4181	381000.12	3734957.69	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
4182	381010.12	3734957.69	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
4183	381020.12	3734957.69	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
4184	381030.12	3734957.69	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
4185	381040.12	3734957.69	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
4186	381050.12	3734957.69	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.03E-09	0.00E+00	0.00E+00	0.00E+00	2.03E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
4187	381060.12	3734957.69	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
4188	381070.12	3734957.69	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.06E-09	0.00E+00	0.00E+00	0.00E+00	2.06E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
4189	381080.12	3734957.69	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.08E-09	0.00E+00	0.00E+00	0.00E+00	2.08E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
4190	381090.12	3734957.69	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.09E-09	0.00E+00	0.00E+00	0.00E+00	2.09E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
4191	381100.12	3734957.69	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.11E-09	0.00E+00	0.00E+00	0.00E+00	2.11E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09
4192	380550.12	3734967.69	9.71E-09	0.00E+00	0.00E+00	0.00E+00	9.71E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09	9.95E-10	0.00E+00	0.00E+00	0.00E+00	9.95E-10
4193	380560.12	3734967.69	9.78E-09	0.00E+00	0.00E+00	0.00E+00	9.78E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09	1.00E-09	0.00E+00	0.00E+00	0.00E+00	1.00E-09
4194	380570.12	3734967.69	9.83E-09	0.00E+00	0.00E+00	0.00E+00	9.83E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
4195	380580.12	3734967.69	9.88E-09	0.00E+00	0.00E+00	0.00E+00	9.88E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
4196	380590.12	3734967.69	9.95E-09	0.00E+00	0.00E+00	0.00E+00	9.95E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09

4197	380600.12	3734967.69	1.00E-08	0.00E+00	0.00E+00	0.00E+00	1.00E-08	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
4198	380610.12	3734967.69	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
4199	380620.12	3734967.69	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
4200	380630.12	3734967.69	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
4201	380640.12	3734967.69	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
4202	380650.12	3734967.69	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
4203	380660.12	3734967.69	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
4204	380670.12	3734967.69	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
4205	380680.12	3734967.69	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
4206	380690.12	3734967.69	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
4207	380700.12	3734967.69	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
4208	380710.12	3734967.69	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
4209	380720.12	3734967.69	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
4210	380730.12	3734967.69	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
4211	380740.12	3734967.69	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
4212	380750.12	3734967.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
4213	380760.12	3734967.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
4214	380770.12	3734967.69	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
4215	380780.12	3734967.69	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
4216	380790.12	3734967.69	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
4217	380800.12	3734967.69	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
4218	380810.12	3734967.69	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
4219	380820.12	3734967.69	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
4220	380830.12	3734967.69	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
4221	380840.12	3734967.69	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
4222	380850.12	3734967.69	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
4223	380860.12	3734967.69	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
4224	380870.12	3734967.69	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.81E-09	0.00E+00	0.00E+00	0.00E+00	1.81E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
4225	380880.12	3734967.69	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
4226	380890.12	3734967.69	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
4227	380900.12	3734967.69	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
4228	380930.12	3734967.69	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
4229	380940.12	3734967.69	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
4230	380950.12	3734967.69	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
4231	380960.12	3734967.69	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
4232	380970.12	3734967.69	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
4233	380980.12	3734967.69	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
4234	380990.12	3734967.69	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
4235	381000.12	3734967.69	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
4236	381010.12	3734967.69	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
4237	381020.12	3734967.69	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
4238	381030.12	3734967.69	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
4239	381040.12	3734967.69	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
4240	381050.12	3734967.69	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
4241	381060.12	3734967.69	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.07E-09	0.00E+00	0.00E+00	0.00E+00	2.07E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
4242	381070.12	3734967.69	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.08E-09	0.00E+00	0.00E+00	0.00E+00	2.08E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
4243	381080.12	3734967.69	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.10E-09	0.00E+00	0.00E+00	0.00E+00	2.10E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
4244	380600.12	3734977.69	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
4245	380610.12	3734977.69	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
4246	380620.12	3734977.69	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
4247	380630.12	3734977.69	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
4248	380640.12	3734977.69	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
4249	380650.12	3734977.69	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
4250	380660.12	3734977.69	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
4251	380670.12	3734977.69	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
4252	380680.12	3734977.69	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
4253	380690.12	3734977.69	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
4254	380700.12	3734977.69	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
4255	380710.12	3734977.69	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
4256	380720.12	3734977.69	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
4257	380730.12	3734977.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
4258	380740.12	3734977.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
4259	380750.12	3734977.69	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
4260	380760.12	3734977.69	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
4261	380770.12	3734977.69	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
4262	380780.12	3734977.69	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
4263	380790.12	3734977.69	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
4264	380800.12	3734977.69	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
4265	380810.12	3734977.69	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
4266	380820.12	3734977.69	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
4267	380830.12	3734977.69	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
4268	380840.12	3734977.69	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
4269	380850.12	3734977.69	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
4270	380860.12	3734977.69	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.81E-09	0.00E+00	0.00E+00	0.00E+00	1.81E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
4271	380870.12	3734977.69	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
4272	380880.12	3734977.69	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
4273	380890.12	3734977.69	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
4274	380900.12	3734977.69	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
4275	380930.12	3734977.69	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.90E-09	0.00E+00	0.00E+00	0.00E+00	1.90E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
4276	380940.12	3734977.69	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
4277	380950.12	3734977.69	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
4278	380960.12	3734977.69	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
4279	380970.12	3734977.69	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
4280	380980.12	3734977.69	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
4281	380990.12	3734977.69	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
4282	381000.12	3734977.69	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
4283	381010.12	3734977.69	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
4284	381020.12	3734977.69	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.03E-09	0.00E+00	0.00E+00	0.00E+00	2.03E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
4285	381030.12	3734977.69	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
4286	381040.12	3734977.69	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.06E-09	0.00E+00	0.00E+00	0.00E+00	2.06E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
4287	381050.12	3734977.69	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.07E-09	0.00E+00	0.00E+00	0.00E+00	2.07E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
4288	380610.12	3734987.69	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
4289	380620.12	3734987.69	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
4290	380630.12	3734987.69	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
4291	380640.12	3734987.69	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
4292	380650.12	3734987.69	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
4293	380660.12	3734987.69	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
4294	380670.12	3734987.69	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
4295	380680.12	3734987.69	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
4296	380690.12	3734987.69	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
4297	380700.12	3734987.69	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
4298	380710.12	3734987.69	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
4299	380720.12	3734987.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
4300	380730.12	3734987.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
4301	380740.12	3734987.69	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09

4302	380750.12	3734987.69	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
4303	380760.12	3734987.69	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
4304	380770.12	3734987.69	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
4305	380780.12	3734987.69	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
4306	380790.12	3734987.69	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
4307	380800.12	3734987.69	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
4308	380810.12	3734987.69	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
4309	380820.12	3734987.69	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
4310	380830.12	3734987.69	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
4311	380840.12	3734987.69	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
4312	380850.12	3734987.69	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
4313	380860.12	3734987.69	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
4314	380870.12	3734987.69	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
4315	380880.12	3734987.69	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
4316	380890.12	3734987.69	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
4317	380900.12	3734987.69	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
4318	380940.12	3734987.69	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
4319	380950.12	3734987.69	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
4320	380960.12	3734987.69	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
4321	380970.12	3734987.69	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
4322	380980.12	3734987.69	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
4323	380990.12	3734987.69	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
4324	381000.12	3734987.69	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
4325	381010.12	3734987.69	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.03E-09	0.00E+00	0.00E+00	0.00E+00	2.03E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
4326	380263.22	3734967.51	7.81E-09	0.00E+00	0.00E+00	0.00E+00	7.81E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09	8.00E-10	0.00E+00	0.00E+00	0.00E+00	8.00E-10
4327	380273.22	3734967.51	7.87E-09	0.00E+00	0.00E+00	0.00E+00	7.87E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09	8.06E-10	0.00E+00	0.00E+00	0.00E+00	8.06E-10
4328	380283.22	3734967.51	7.92E-09	0.00E+00	0.00E+00	0.00E+00	7.92E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09	8.11E-10	0.00E+00	0.00E+00	0.00E+00	8.11E-10
4329	380263.22	3734977.51	7.85E-09	0.00E+00	0.00E+00	0.00E+00	7.85E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09	8.04E-10	0.00E+00	0.00E+00	0.00E+00	8.04E-10
4330	380273.22	3734977.51	7.91E-09	0.00E+00	0.00E+00	0.00E+00	7.91E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09	8.10E-10	0.00E+00	0.00E+00	0.00E+00	8.10E-10
4331	380283.22	3734977.51	7.96E-09	0.00E+00	0.00E+00	0.00E+00	7.96E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09	8.15E-10	0.00E+00	0.00E+00	0.00E+00	8.15E-10
4332	380263.22	3734987.51	7.89E-09	0.00E+00	0.00E+00	0.00E+00	7.89E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09	8.08E-10	0.00E+00	0.00E+00	0.00E+00	8.08E-10
4333	380273.22	3734987.51	7.95E-09	0.00E+00	0.00E+00	0.00E+00	7.95E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09	8.14E-10	0.00E+00	0.00E+00	0.00E+00	8.14E-10
4334	380283.22	3734987.51	8.00E-09	0.00E+00	0.00E+00	0.00E+00	8.00E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09	8.19E-10	0.00E+00	0.00E+00	0.00E+00	8.19E-10
4335	380263.22	3734997.51	7.95E-09	0.00E+00	0.00E+00	0.00E+00	7.95E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09	8.14E-10	0.00E+00	0.00E+00	0.00E+00	8.14E-10
4336	380273.22	3734997.51	7.99E-09	0.00E+00	0.00E+00	0.00E+00	7.99E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09	8.18E-10	0.00E+00	0.00E+00	0.00E+00	8.18E-10
4337	380283.22	3734997.51	8.04E-09	0.00E+00	0.00E+00	0.00E+00	8.04E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09	8.23E-10	0.00E+00	0.00E+00	0.00E+00	8.23E-10
4338	380263.22	3735007.51	7.99E-09	0.00E+00	0.00E+00	0.00E+00	7.99E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09	8.18E-10	0.00E+00	0.00E+00	0.00E+00	8.18E-10
4339	380273.22	3735007.51	8.03E-09	0.00E+00	0.00E+00	0.00E+00	8.03E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09	8.22E-10	0.00E+00	0.00E+00	0.00E+00	8.22E-10
4340	380283.22	3735007.51	8.08E-09	0.00E+00	0.00E+00	0.00E+00	8.08E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09	8.27E-10	0.00E+00	0.00E+00	0.00E+00	8.27E-10
4341	380293.22	3735007.51	8.13E-09	0.00E+00	0.00E+00	0.00E+00	8.13E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09	8.33E-10	0.00E+00	0.00E+00	0.00E+00	8.33E-10
4342	380263.22	3735017.51	8.03E-09	0.00E+00	0.00E+00	0.00E+00	8.03E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09	8.22E-10	0.00E+00	0.00E+00	0.00E+00	8.22E-10
4343	380273.22	3735017.51	8.06E-09	0.00E+00	0.00E+00	0.00E+00	8.06E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09	8.26E-10	0.00E+00	0.00E+00	0.00E+00	8.26E-10
4344	380283.22	3735017.51	8.12E-09	0.00E+00	0.00E+00	0.00E+00	8.12E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09	8.31E-10	0.00E+00	0.00E+00	0.00E+00	8.31E-10
4345	380293.22	3735017.51	8.17E-09	0.00E+00	0.00E+00	0.00E+00	8.17E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09	8.37E-10	0.00E+00	0.00E+00	0.00E+00	8.37E-10
4346	380303.22	3735017.51	8.22E-09	0.00E+00	0.00E+00	0.00E+00	8.22E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09	8.42E-10	0.00E+00	0.00E+00	0.00E+00	8.42E-10
4347	380313.22	3735017.51	8.29E-09	0.00E+00	0.00E+00	0.00E+00	8.29E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09	8.49E-10	0.00E+00	0.00E+00	0.00E+00	8.49E-10
4348	380323.22	3735017.51	8.35E-09	0.00E+00	0.00E+00	0.00E+00	8.35E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09	8.56E-10	0.00E+00	0.00E+00	0.00E+00	8.56E-10
4349	380333.22	3735017.51	8.42E-09	0.00E+00	0.00E+00	0.00E+00	8.42E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09	8.62E-10	0.00E+00	0.00E+00	0.00E+00	8.62E-10
4350	380343.22	3735017.51	8.50E-09	0.00E+00	0.00E+00	0.00E+00	8.50E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09	8.71E-10	0.00E+00	0.00E+00	0.00E+00	8.71E-10
4351	380353.22	3735017.51	8.58E-09	0.00E+00	0.00E+00	0.00E+00	8.58E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09	8.79E-10	0.00E+00	0.00E+00	0.00E+00	8.79E-10
4352	380263.22	3735027.51	8.06E-09	0.00E+00	0.00E+00	0.00E+00	8.06E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09	8.26E-10	0.00E+00	0.00E+00	0.00E+00	8.26E-10
4353	380273.22	3735027.51	8.10E-09	0.00E+00	0.00E+00	0.00E+00	8.10E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09	8.30E-10	0.00E+00	0.00E+00	0.00E+00	8.30E-10
4354	380283.22	3735027.51	8.16E-09	0.00E+00	0.00E+00	0.00E+00	8.16E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09	8.35E-10	0.00E+00	0.00E+00	0.00E+00	8.35E-10
4355	380293.22	3735027.51	8.21E-09	0.00E+00	0.00E+00	0.00E+00	8.21E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09	8.41E-10	0.00E+00	0.00E+00	0.00E+00	8.41E-10
4356	380303.22	3735027.51	8.26E-09	0.00E+00	0.00E+00	0.00E+00	8.26E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09	8.46E-10	0.00E+00	0.00E+00	0.00E+00	8.46E-10
4357	380313.22	3735027.51	8.33E-09	0.00E+00	0.00E+00	0.00E+00	8.33E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09	8.53E-10	0.00E+00	0.00E+00	0.00E+00	8.53E-10
4358	380323.22	3735027.51	8.39E-09	0.00E+00	0.00E+00	0.00E+00	8.39E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09	8.60E-10	0.00E+00	0.00E+00	0.00E+00	8.60E-10
4359	380333.22	3735027.51	8.47E-09	0.00E+00	0.00E+00	0.00E+00	8.47E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09	8.68E-10	0.00E+00	0.00E+00	0.00E+00	8.68E-10
4360	380343.22	3735027.51	8.54E-09	0.00E+00	0.00E+00	0.00E+00	8.54E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09	8.75E-10	0.00E+00	0.00E+00	0.00E+00	8.75E-10
4361	380353.22	3735027.51	8.62E-09	0.00E+00	0.00E+00	0.00E+00	8.62E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09	8.83E-10	0.00E+00	0.00E+00	0.00E+00	8.83E-10
4362	380263.22	3735037.51	8.10E-09	0.00E+00	0.00E+00	0.00E+00	8.10E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09	8.30E-10	0.00E+00	0.00E+00	0.00E+00	8.30E-10
4363	380273.22	3735037.51	8.14E-09	0.00E+00	0.00E+00	0.00E+00	8.14E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09	8.34E-10	0.00E+00	0.00E+00	0.00E+00	8.34E-10
4364	380283.22	3735037.51	8.20E-09	0.00E+00	0.00E+00	0.00E+00	8.20E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09	8.40E-10	0.00E+00	0.00E+00	0.00E+00	8.40E-10
4365	380293.22	3735037.51	8.25E-09	0.00E+00	0.00E+00	0.00E+00	8.25E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09	8.45E-10	0.00E+00	0.00E+00	0.00E+00	8.45E-10
4366	380303.22	3735037.51	8.30E-09	0.00E+00	0.00E+00	0.00E+00	8.30E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09	8.50E-10	0.00E+00	0.00E+00	0.00E+00	8.50E-10
4367	380313.22	3735037.51	8.37E-09	0.00E+00	0.00E+00	0.00E+00	8.37E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09	8.57E-10	0.00E+00	0.00E+00	0.00E+00	8.57E-10
4368	380323.22	3735037.51	8.43E-09	0.00E+00	0.00E+00	0.00E+00	8.43E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09	8.64E-10	0.00E+00	0.00E+00	0.00E+00	8.64E-10
4369	380333.22	3735037.51	8.51E-09	0.00E+00	0.00E+00	0.00E+00	8.51E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09	8.72E-10	0.00E+00	0.00E+00	0.00E+00	8.72E-10
4370	380343.22	3735037.51	8.59E-09	0.00E+00	0.00E+00	0.00E+00	8.59E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09	8.80E-10	0.00E+00	0.00E+00	0.00E+00	8.80E-10
4371	380353.22	3735037.51	8.67E-09	0.00E+00	0.00E+00	0.00E+00	8.67E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09	8.88E-10	0.00E+00	0.00E+00	0.00E+00	8.88E-10
4372	380263.22	3735047.51	8.16E-09	0.00E+00	0.00E+00	0.00E+00	8.16E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09	8.35E-10	0.00E+00	0.00E+00	0.00E+00	8.35E-10
4373	380273.22	3735047.51	8.20E-09	0.00E+00	0.00E+00	0.00E+00	8.20E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09	8.40E-10	0.00E+00	0.00E+00	0.00E+00	8.40E-10
4374	380283.22	3735047.51	8.24E-09	0.00E+00	0.00E+00	0.00E+00	8.24E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09	8.44E-10	0.00E+00	0.00E+00	0.00E+00	8.44E-10
4375	380293.22	3735047.51	8.29E-09	0.00E+00	0.00E+00	0.00E+00	8.29E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09	8.49E-10	0.00E+00	0.00E+00	0.00E+00	8.49E-10
4376	380303.22	3735047.51	8.34E-09	0.00E+00	0.00E+00	0.00E+00	8.34E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09	8.54E-10	0.00E+00	0.00E+00	0.00E+00	8.54E-10
4377	380313.22	3735047.51	8.41E-09	0.00E+00	0.00E+00	0.00E+00	8.41E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09	8.61E-10	0.00E+00	0.00E+00	0.00E+00	8.61E-10
4378	380323.22	3735047.51	8.49E-09	0.00E+00	0.00E+00	0.00E+00	8.49E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09	8.69E-10	0.00E+00	0.00E+00	0.00E+00	8.69E-10
4379	380333.22	3735047.51	8.55E-09	0.00E+00	0.00E+00	0.00E+00	8.55E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09	8.76E-10	0.00E+00	0.00E+00	0.00E+00	8.76E-10
4380	380343.22	3735047.51	8.63E-09	0.00E+00	0.00E+00	0.00E+00	8.63E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09	8.84E-10	0.00E+00	0.00E+00	0.00E+00	8.84E-10
4381	380353.22	3735047.51	8.71E-09	0.00E+00	0.00E+00	0.00E+00	8.71E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09	8.92E-10	0.00E+00	0.00E+00	0.00E+00	8.92E-10
4382	380263.22	3735057.51	8.20E-09	0.00E+00	0.00E+00	0.00E+00	8.20E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09	8.40E-10	0.00E+00	0.00E+00	0.00E+00	8.40E-10
4383	380273.22	3735057.51	8.24E-09	0.00E+00	0.00E+00	0.00E+00	8.24E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09	8.44E-10	0.00E+00	0.00E+00	0.00E+00	8.44E-10
4384	380283.22	3735057.51	8.28E-09	0.00E+00	0.00E+00	0.00E+00	8.28E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09	8.48E-10	0.00E+00	0.00E+00	0.00E+00	8.48E-10
4385	380293.22	3735057.51	8.34E-09	0.00E+00	0.00E+00	0.00E+00	8.34E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09	8.54E-10	0.00E+00	0.00E+00	0.00E+00	8.54E-10
4386	380303.22	3735057.51	8.39E-09	0.00E+00	0.00E+00	0.00E+00	8.39E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09	8.60E-10	0.00E+00	0.00E+00	0.00E+00	8.60E-10
4387	380313.22	3735057.51	8.46E-09	0.00E+00	0.00E+00	0.00E+00	8.46E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09	8.67E-10	0.00E+00	0.00E+00	0.00E+00	8.67E-10
4388	380323.22	3735057.51	8.53E-09	0.00E+00	0.00E+00	0.00E+00	8.53E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09	8.73E-10	0.00E+00	0.00E+00	0.00E+00	8.73E-10
4389	380333.22	3735057.51	8.61E-09	0.00E+00	0.00E+00	0.00E+00	8.61E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09	8.81E-10	0.00E+00	0.00E+00	0.00E+00	8.81E-10
4390	380343.22	3735057.51	8.68E-09	0.00E+00	0.00E+00	0.00E+00	8.68E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09	8.89E-10	0.00E+00	0.00E+00	0.00E+00	8.89E-10
4391	380353.22	3735057.51	8.76E-09	0.00E+00	0.00E+00	0.00E+00	8.76E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09	8.98E-10	0.00E+00	0.00E+00	0.00E+00	8.98E-10
4392	380263.22	3735067.51	8.25E-09	0.00E+00	0.00E+00	0.00E+00	8.25E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09	8.45E-10	0.00E+00	0.00E+00	0.00E+00	8.45E-10
4393	380273.22	3735067.51	8.29E-09	0.00E+00	0.00E+00	0.00E+00	8.29E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09	8.49E-10	0.00E+00	0.00E+00	0.00E+00	8.49E-10
4394	380283.22	3735067.51	8.33E-09	0.00E+00	0.00E+00	0.00E+00	8.33E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09	8.53E-10	0.00E+00	0.00E+00	0.00E+00	8.53E-10
4395	380293.22	3735067.51	8.38E-09	0.00E+00	0.00E+00	0.00E+00	8.38E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09	8.58E-10	0.00E+00	0.00E+00	0.00E+00	8.58E-10
4396	380303.22	3735067.51	8.45E-09	0.00E+00	0.00E+00	0.00E+00	8.45E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09	8.65E-10	0.00E+00	0.00E+00	0.00E+00	8.65E-10
4397	380313.22	3735067.51	8.50E-09	0.00E+00	0.00E+00	0.00E+00	8.50E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09	8.71E-10	0.00E+00	0.00E+00	0.00E+00	8.71E-10
4398	380323.22	3735067.51	8.58E-09	0.00E+00	0.00E+00	0.00E+00	8.58E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09	8.79E-10	0.00E+00	0.00E+00	0.00E+00	8.79E-10
4399	380333.22	3735067.51	8.66E-09	0.00E+00	0.00E+00	0.00E+00	8.66E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09	8.87E-10	0.00E+00	0.00E+00	0.00E+00	8.87E-10
4400	380343.22	3735067.51	8.72E-09	0.00E+00	0.00E+00	0.00E+00	8.72E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09	8.94E-10	0.00E+00	0.00E+00	0.00E+00	8.94E-10
4401	380353.22	3735067.51	8.82E-09	0.00E+00	0.00E+00	0.00E+00	8.82E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09	9.03E-10	0.00E+00	0.00E+00	0.00E+00	9.03E-10
4402	380263.22	3735077.51	8.29E-09	0.00E+00	0.00E+00	0.00E+00	8.29E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09	8.49E-10	0.00E+00	0.00E+00	0.00E+00	8.49E-10
4403	380273.22	3735077.51	8.33E-09	0.00E+00	0.00E+00	0.00E+00	8.33E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09	8.53E-10	0.00E+00	0.00E+00	0.00E+00	8.53E-10
4404	380283.22	3735077.51	8.38E-09	0.00E+00	0.00E+00	0.00E+00	8.38E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09	8.58E-10	0.00E+00	0.00E+00	0.00E+00	8.58E-10
4405	380293.22	3735077.51	8.43E-09	0.00E+00	0.00E+00	0.00E+00	8.43E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09	8.64E-10	0.00E+00	0.00E+00	0.00E+00	8.64E-10
4406	380303.22	3735077.51	8.50E-09	0.00E+00	0.00E+00	0.00E+00	8.50E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09	8.71E-10	0.00E+00	0.00E+00	0.00E+00	8.71E-10

4407	380313.22	3735077.51	8.55E-09	0.00E+00	0.00E+00	0.00E+00	8.55E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09	8.76E-10	0.00E+00	0.00E+00	0.00E+00	8.76E-10
4408	380323.22	3735077.51	8.63E-09	0.00E+00	0.00E+00	0.00E+00	8.63E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09	8.84E-10	0.00E+00	0.00E+00	0.00E+00	8.84E-10
4409	380333.22	3735077.51	8.70E-09	0.00E+00	0.00E+00	0.00E+00	8.70E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09	8.91E-10	0.00E+00	0.00E+00	0.00E+00	8.91E-10
4410	380343.22	3735077.51	8.78E-09	0.00E+00	0.00E+00	0.00E+00	8.78E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09	8.99E-10	0.00E+00	0.00E+00	0.00E+00	8.99E-10
4411	380353.22	3735077.51	8.86E-09	0.00E+00	0.00E+00	0.00E+00	8.86E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09	9.07E-10	0.00E+00	0.00E+00	0.00E+00	9.07E-10
4412	380263.22	3735087.51	8.33E-09	0.00E+00	0.00E+00	0.00E+00	8.33E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09	8.53E-10	0.00E+00	0.00E+00	0.00E+00	8.53E-10
4413	380273.22	3735087.51	8.38E-09	0.00E+00	0.00E+00	0.00E+00	8.38E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09	8.58E-10	0.00E+00	0.00E+00	0.00E+00	8.58E-10
4414	380283.22	3735087.51	8.42E-09	0.00E+00	0.00E+00	0.00E+00	8.42E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09	8.62E-10	0.00E+00	0.00E+00	0.00E+00	8.62E-10
4415	380293.22	3735087.51	8.49E-09	0.00E+00	0.00E+00	0.00E+00	8.49E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09	8.69E-10	0.00E+00	0.00E+00	0.00E+00	8.69E-10
4416	380303.22	3735087.51	8.55E-09	0.00E+00	0.00E+00	0.00E+00	8.55E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09	8.76E-10	0.00E+00	0.00E+00	0.00E+00	8.76E-10
4417	380313.22	3735087.51	8.61E-09	0.00E+00	0.00E+00	0.00E+00	8.61E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09	8.81E-10	0.00E+00	0.00E+00	0.00E+00	8.81E-10
4418	380323.22	3735087.51	8.68E-09	0.00E+00	0.00E+00	0.00E+00	8.68E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09	8.89E-10	0.00E+00	0.00E+00	0.00E+00	8.89E-10
4419	380333.22	3735087.51	8.75E-09	0.00E+00	0.00E+00	0.00E+00	8.75E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09	8.96E-10	0.00E+00	0.00E+00	0.00E+00	8.96E-10
4420	380343.22	3735087.51	8.83E-09	0.00E+00	0.00E+00	0.00E+00	8.83E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09	9.04E-10	0.00E+00	0.00E+00	0.00E+00	9.04E-10
4421	380353.22	3735087.51	8.91E-09	0.00E+00	0.00E+00	0.00E+00	8.91E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09	9.12E-10	0.00E+00	0.00E+00	0.00E+00	9.12E-10
4422	380263.22	3735097.51	8.38E-09	0.00E+00	0.00E+00	0.00E+00	8.38E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09	8.58E-10	0.00E+00	0.00E+00	0.00E+00	8.58E-10
4423	380273.22	3735097.51	8.43E-09	0.00E+00	0.00E+00	0.00E+00	8.43E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09	8.64E-10	0.00E+00	0.00E+00	0.00E+00	8.64E-10
4424	380283.22	3735097.51	8.49E-09	0.00E+00	0.00E+00	0.00E+00	8.49E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09	8.69E-10	0.00E+00	0.00E+00	0.00E+00	8.69E-10
4425	380293.22	3735097.51	8.54E-09	0.00E+00	0.00E+00	0.00E+00	8.54E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09	8.75E-10	0.00E+00	0.00E+00	0.00E+00	8.75E-10
4426	380303.22	3735097.51	8.61E-09	0.00E+00	0.00E+00	0.00E+00	8.61E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09	8.81E-10	0.00E+00	0.00E+00	0.00E+00	8.81E-10
4427	380313.22	3735097.51	8.67E-09	0.00E+00	0.00E+00	0.00E+00	8.67E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09	8.88E-10	0.00E+00	0.00E+00	0.00E+00	8.88E-10
4428	380323.22	3735097.51	8.75E-09	0.00E+00	0.00E+00	0.00E+00	8.75E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09	8.96E-10	0.00E+00	0.00E+00	0.00E+00	8.96E-10
4429	380333.22	3735097.51	8.82E-09	0.00E+00	0.00E+00	0.00E+00	8.82E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09	9.03E-10	0.00E+00	0.00E+00	0.00E+00	9.03E-10
4430	380343.22	3735097.51	8.89E-09	0.00E+00	0.00E+00	0.00E+00	8.89E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09	9.11E-10	0.00E+00	0.00E+00	0.00E+00	9.11E-10
4431	380353.22	3735097.51	8.97E-09	0.00E+00	0.00E+00	0.00E+00	8.97E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09	9.19E-10	0.00E+00	0.00E+00	0.00E+00	9.19E-10
4432	380263.22	3735107.51	8.43E-09	0.00E+00	0.00E+00	0.00E+00	8.43E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09	8.64E-10	0.00E+00	0.00E+00	0.00E+00	8.64E-10
4433	380273.22	3735107.51	8.49E-09	0.00E+00	0.00E+00	0.00E+00	8.49E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09	8.69E-10	0.00E+00	0.00E+00	0.00E+00	8.69E-10
4434	380283.22	3735107.51	8.54E-09	0.00E+00	0.00E+00	0.00E+00	8.54E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09	8.75E-10	0.00E+00	0.00E+00	0.00E+00	8.75E-10
4435	380293.22	3735107.51	8.61E-09	0.00E+00	0.00E+00	0.00E+00	8.61E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09	8.81E-10	0.00E+00	0.00E+00	0.00E+00	8.81E-10
4436	380303.22	3735107.51	8.67E-09	0.00E+00	0.00E+00	0.00E+00	8.67E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09	8.88E-10	0.00E+00	0.00E+00	0.00E+00	8.88E-10
4437	380313.22	3735107.51	8.74E-09	0.00E+00	0.00E+00	0.00E+00	8.74E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09	8.95E-10	0.00E+00	0.00E+00	0.00E+00	8.95E-10
4438	380323.22	3735107.51	8.82E-09	0.00E+00	0.00E+00	0.00E+00	8.82E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09	9.03E-10	0.00E+00	0.00E+00	0.00E+00	9.03E-10
4439	380333.22	3735107.51	8.89E-09	0.00E+00	0.00E+00	0.00E+00	8.89E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09	9.11E-10	0.00E+00	0.00E+00	0.00E+00	9.11E-10
4440	380343.22	3735107.51	8.97E-09	0.00E+00	0.00E+00	0.00E+00	8.97E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09	9.19E-10	0.00E+00	0.00E+00	0.00E+00	9.19E-10
4441	380353.22	3735107.51	9.05E-09	0.00E+00	0.00E+00	0.00E+00	9.05E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09	9.27E-10	0.00E+00	0.00E+00	0.00E+00	9.27E-10
4442	380263.22	3735117.51	8.49E-09	0.00E+00	0.00E+00	0.00E+00	8.49E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09	8.69E-10	0.00E+00	0.00E+00	0.00E+00	8.69E-10
4443	380273.22	3735117.51	8.55E-09	0.00E+00	0.00E+00	0.00E+00	8.55E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09	8.76E-10	0.00E+00	0.00E+00	0.00E+00	8.76E-10
4444	380283.22	3735117.51	8.61E-09	0.00E+00	0.00E+00	0.00E+00	8.61E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09	8.81E-10	0.00E+00	0.00E+00	0.00E+00	8.81E-10
4445	380293.22	3735117.51	8.67E-09	0.00E+00	0.00E+00	0.00E+00	8.67E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09	8.88E-10	0.00E+00	0.00E+00	0.00E+00	8.88E-10
4446	380303.22	3735117.51	8.74E-09	0.00E+00	0.00E+00	0.00E+00	8.74E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09	8.95E-10	0.00E+00	0.00E+00	0.00E+00	8.95E-10
4447	380313.22	3735117.51	8.82E-09	0.00E+00	0.00E+00	0.00E+00	8.82E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09	9.03E-10	0.00E+00	0.00E+00	0.00E+00	9.03E-10
4448	380323.22	3735117.51	8.88E-09	0.00E+00	0.00E+00	0.00E+00	8.88E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09	9.10E-10	0.00E+00	0.00E+00	0.00E+00	9.10E-10
4449	380333.22	3735117.51	8.96E-09	0.00E+00	0.00E+00	0.00E+00	8.96E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09	9.18E-10	0.00E+00	0.00E+00	0.00E+00	9.18E-10
4450	380343.22	3735117.51	9.04E-09	0.00E+00	0.00E+00	0.00E+00	9.04E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09	9.26E-10	0.00E+00	0.00E+00	0.00E+00	9.26E-10
4451	380353.22	3735117.51	9.12E-09	0.00E+00	0.00E+00	0.00E+00	9.12E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09	9.34E-10	0.00E+00	0.00E+00	0.00E+00	9.34E-10
4452	380263.22	3735127.51	8.54E-09	0.00E+00	0.00E+00	0.00E+00	8.54E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09	8.75E-10	0.00E+00	0.00E+00	0.00E+00	8.75E-10
4453	380273.22	3735127.51	8.59E-09	0.00E+00	0.00E+00	0.00E+00	8.59E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09	8.80E-10	0.00E+00	0.00E+00	0.00E+00	8.80E-10
4454	380283.22	3735127.51	8.66E-09	0.00E+00	0.00E+00	0.00E+00	8.66E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09	8.87E-10	0.00E+00	0.00E+00	0.00E+00	8.87E-10
4455	380293.22	3735127.51	8.72E-09	0.00E+00	0.00E+00	0.00E+00	8.72E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09	8.94E-10	0.00E+00	0.00E+00	0.00E+00	8.94E-10
4456	380303.22	3735127.51	8.80E-09	0.00E+00	0.00E+00	0.00E+00	8.80E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09	9.02E-10	0.00E+00	0.00E+00	0.00E+00	9.02E-10
4457	380313.22	3735127.51	8.88E-09	0.00E+00	0.00E+00	0.00E+00	8.88E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09	9.10E-10	0.00E+00	0.00E+00	0.00E+00	9.10E-10
4458	380323.22	3735127.51	8.95E-09	0.00E+00	0.00E+00	0.00E+00	8.95E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09	9.16E-10	0.00E+00	0.00E+00	0.00E+00	9.16E-10
4459	380333.22	3735127.51	9.03E-09	0.00E+00	0.00E+00	0.00E+00	9.03E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09	9.25E-10	0.00E+00	0.00E+00	0.00E+00	9.25E-10
4460	380343.22	3735127.51	9.11E-09	0.00E+00	0.00E+00	0.00E+00	9.11E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09	9.33E-10	0.00E+00	0.00E+00	0.00E+00	9.33E-10
4461	380353.22	3735127.51	9.20E-09	0.00E+00	0.00E+00	0.00E+00	9.20E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09	9.42E-10	0.00E+00	0.00E+00	0.00E+00	9.42E-10
4462	380263.22	3735137.51	8.59E-09	0.00E+00	0.00E+00	0.00E+00	8.59E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09	8.80E-10	0.00E+00	0.00E+00	0.00E+00	8.80E-10
4463	380273.22	3735137.51	8.64E-09	0.00E+00	0.00E+00	0.00E+00	8.64E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09	8.85E-10	0.00E+00	0.00E+00	0.00E+00	8.85E-10
4464	380283.22	3735137.51	8.71E-09	0.00E+00	0.00E+00	0.00E+00	8.71E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09	8.92E-10	0.00E+00	0.00E+00	0.00E+00	8.92E-10
4465	380293.22	3735137.51	8.79E-09	0.00E+00	0.00E+00	0.00E+00	8.79E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09	9.00E-10	0.00E+00	0.00E+00	0.00E+00	9.00E-10
4466	380303.22	3735137.51	8.86E-09	0.00E+00	0.00E+00	0.00E+00	8.86E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09	9.07E-10	0.00E+00	0.00E+00	0.00E+00	9.07E-10
4467	380313.22	3735137.51	8.93E-09	0.00E+00	0.00E+00	0.00E+00	8.93E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09	9.15E-10	0.00E+00	0.00E+00	0.00E+00	9.15E-10
4468	380323.22	3735137.51	9.01E-09	0.00E+00	0.00E+00	0.00E+00	9.01E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09	9.23E-10	0.00E+00	0.00E+00	0.00E+00	9.23E-10
4469	380333.22	3735137.51	9.09E-09	0.00E+00	0.00E+00	0.00E+00	9.09E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09	9.31E-10	0.00E+00	0.00E+00	0.00E+00	9.31E-10
4470	380343.22	3735137.51	9.18E-09	0.00E+00	0.00E+00	0.00E+00	9.18E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09	9.41E-10	0.00E+00	0.00E+00	0.00E+00	9.41E-10
4471	380263.22	3735147.51	8.64E-09	0.00E+00	0.00E+00	0.00E+00	8.64E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09	8.85E-10	0.00E+00	0.00E+00	0.00E+00	8.85E-10
4472	380273.22	3735147.51	8.70E-09	0.00E+00	0.00E+00	0.00E+00	8.70E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09	8.91E-10	0.00E+00	0.00E+00	0.00E+00	8.91E-10
4473	380283.22	3735147.51	8.76E-09	0.00E+00	0.00E+00	0.00E+00	8.76E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09	8.98E-10	0.00E+00	0.00E+00	0.00E+00	8.98E-10
4474	380293.22	3735147.51	8.84E-09	0.00E+00	0.00E+00	0.00E+00	8.84E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09	9.06E-10	0.00E+00	0.00E+00	0.00E+00	9.06E-10
4475	380303.22	3735147.51	8.92E-09	0.00E+00	0.00E+00	0.00E+00	8.92E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09	9.14E-10	0.00E+00	0.00E+00	0.00E+00	9.14E-10
4476	380313.22	3735147.51	9.00E-09	0.00E+00	0.00E+00	0.00E+00	9.00E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09	9.22E-10	0.00E+00	0.00E+00	0.00E+00	9.22E-10
4477	380323.22	3735147.51	9.08E-09	0.00E+00	0.00E+00	0.00E+00	9.08E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09	9.30E-10	0.00E+00	0.00E+00	0.00E+00	9.30E-10
4478	380333.22	3735147.51	9.16E-09	0.00E+00	0.00E+00	0.00E+00	9.16E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09	9.38E-10	0.00E+00	0.00E+00	0.00E+00	9.38E-10
4479	380343.22	3735147.51	9.25E-09	0.00E+00	0.00E+00	0.00E+00	9.25E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09	9.48E-10	0.00E+00	0.00E+00	0.00E+00	9.48E-10
4480	380263.22	3735157.51	8.70E-09	0.00E+00	0.00E+00	0.00E+00	8.70E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09	8.91E-10	0.00E+00	0.00E+00	0.00E+00	8.91E-10
4481	380273.22	3735157.51	8.75E-09	0.00E+00	0.00E+00	0.00E+00	8.75E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09	8.96E-10	0.00E+00	0.00E+00	0.00E+00	8.96E-10
4482	380283.22	3735157.51	8.82E-09	0.00E+00	0.00E+00	0.00E+00	8.82E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09	9.03E-10	0.00E+00	0.00E+00	0.00E+00	9.03E-10
4483	380293.22	3735157.51	8.89E-09	0.00E+00	0.00E+00	0.00E+00	8.89E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09	9.11E-10	0.00E+00	0.00E+00	0.00E+00	9.11E-10
4484	380303.22	3735157.51	8.97E-09	0.00E+00	0.00E+00	0.00E+00	8.97E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09	9.19E-10	0.00E+00	0.00E+00	0.00E+00	9.19E-10
4485	380313.22	3735157.51	9.05E-09	0.00E+00	0.00E+00	0.00E+00	9.05E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09	9.27E-10	0.00E+00	0.00E+00	0.00E+00	9.27E-10
4486	380323.22	3735157.51	9.13E-09	0.00E+00	0.00E+00	0.00E+00	9.13E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09	9.35E-10	0.00E+00	0.00E+00	0.00E+00	9.35E-10
4487	380333.22	3735157.51	9.22E-09	0.00E+00	0.00E+00	0.00E+00	9.22E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09	9.45E-10	0.00E+00	0.00E+00	0.00E+00	9.45E-10
4488	380343.22	3735157.51	9.32E-09	0.00E+00	0.00E+00	0.00E+00	9.32E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09	9.54E-10	0.00E+00	0.00E+00	0.00E+00	9.54E-10
4489	380263.22	3735167.51	8.75E-09	0.00E+00	0.00E+00	0.00E+00	8.75E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09	8.96E-10	0.00E+00	0.00E+00	0.00E+00	8.96E-10
4490	380273.22	3735167.51	8.80E-09	0.00E+00	0.00E+00	0.00E+00	8.80E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09	9.02E-10	0.00E+00	0.00E+00	0.00E+00	9.02E-10
4491	380283.22	3735167.51	8.87E-09	0.00E+00	0.00E+00	0.00E+00	8.87E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09	9.08E-10	0.00E+00	0.00E+00	0.00E+00	9.08E-10
4492	380293.22	3735167.51	8.95E-09	0.00E+00	0.00E+00	0.00E+00	8.95E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09	9.16E-10	0.00E+00	0.00E+00	0.00E+00	9.16E-10
4493	380303.22	3735167.51	9.03E-09	0.00E+00	0.00E+00	0.00E+00	9.03E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09	9.25E-10	0.00E+00	0.00E+00	0.00E+00	9.25E-10
4494	380313.22	3735167.51	9.11E-09	0.00E+00	0.00E+00	0.00E+00	9.11E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09	9.33E-10	0.00E+00	0.00E+00	0.00E+00	9.33E-10
4495	380323.22	3735167.51	9.18E-09	0.00E+00	0.00E+00	0.00E+00	9.18E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09	9.41E-10	0.00E+00	0.00E+00	0.00E+00	9.41E-10
4496	380333.22	3735167.51	9.28E-09	0.00E+00	0.00E+00	0.00E+00	9.28E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09	9.50E-10	0.00E+00	0.00E+00	0.00E+00	9.50E-10
4497	380263.22	3735177.51	8.80E-09	0.00E+00	0.00E+00	0.00E+00	8.80E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09	9.02E-10	0.00E+00	0.00E+00	0.00E+00	9.02E-10
4498	380273.22	3735177.51	8.86E-09	0.00E+00	0.00E+00	0.00E+00	8.86E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09	9.07E-10	0.00E+00	0.00E+00	0.00E+00	9.07E-10
4499	380283.22	3735177.51	8.92E-09	0.00E+00	0.00E+00	0.00E+00	8.92E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09	9.14E-10	0.00E+00	0.00E+00	0.00E+00	9.14E-10
4500	380293.22	3735177.51	9.00E-09	0.00E+00	0.00E+00	0.00E+00	9.00E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09	9.22E-10	0.00E+00	0.00E+00	0.00E+00	9.22E-10
4501	380303.22	3735177.51	9.08E-09	0.00E+00	0.00E+00	0.00E+00	9.08E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09	9.30E-10	0.00E+00	0.00E+00	0.00E+00	9.30E-10
4502	380313.22	3735177.51	9.16E-09	0.00E+00	0.00E+00	0.00E+00	9.16E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09	9.38E-10	0.00E+00	0.00E+00	0.00E+00	9.38E-10
4503	380323.22	3735177.51	9.25E-09	0.00E+00	0.00E+00	0.00E+00	9.25E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09	9.48E-10	0.00E+00	0.00E+00	0.00E+00	9.48E-10
4504	380333.22	3735177.51	9.33E-09	0.00E+00	0.00E+00	0.00E+00	9.33E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09	9.56E-10	0.00E+00	0.00E+00	0.00E+00	9.56E-10
4505	380263.22	3735187.51	8.86E-09	0.00E+00	0.00E+00	0.00E+00	8.86E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09	9.07E-10	0.00E+00	0.00E+00	0.00E+00	9.07E-10
4506	380273.22	3735187.51	8.93E-09	0.00E+00	0.00E+00	0.00E+00	8.93E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09	9.15E-10	0.00E+00	0.00E+00	0.00E+00	9.15E-10
4507	380283.22	3735187.51	9.00E-09	0.00E+00	0.00E+00	0.00E+00	9.00E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09	9.22E-10	0.00E+00	0.00E+00	0.00E+00	9.22E-10
4508	380293.22	3735187.51	9.07E-09	0.00E+00	0.00E+00	0.00E+00	9.07E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09	9.29E-10	0.00E+00	0.00E+00	0.00E+00	9.29E-10
4509	380303.22	3735187.51	9.15E-09	0.00E+00	0.00E+00	0.00E+00	9.15E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09	9.37E-10	0.00E+00	0.00E+00	0.00E+00	9.37E-10
4510	380313.22	3735187.51	9.21E-09	0.00E+00	0.00E+00	0.00E+00	9.21E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09	9.43E-10	0.00E+00	0.00E+00	0.00E+00	9.43E-10
4511	380323.22	3735187.51	9.29E-09	0.00E+00	0.00E+00	0.00E+00	9.29E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09	9.52E-10	0.00E+00	0.00E+00	0.00E+00	9.52E-10

4512	380333.22	3735187.51	9.37E-09	0.00E+00	0.00E+00	0.00E+00	9.37E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09	9.60E-10	0.00E+00	0.00E+00	0.00E+00	9.60E-10
4513	380263.22	3735197.51	8.93E-09	0.00E+00	0.00E+00	0.00E+00	8.93E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09	9.15E-10	0.00E+00	0.00E+00	0.00E+00	9.15E-10
4514	380273.22	3735197.51	9.00E-09	0.00E+00	0.00E+00	0.00E+00	9.00E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09	9.22E-10	0.00E+00	0.00E+00	0.00E+00	9.22E-10
4515	380283.22	3735197.51	9.07E-09	0.00E+00	0.00E+00	0.00E+00	9.07E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09	9.29E-10	0.00E+00	0.00E+00	0.00E+00	9.29E-10
4516	380293.22	3735197.51	9.13E-09	0.00E+00	0.00E+00	0.00E+00	9.13E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09	9.35E-10	0.00E+00	0.00E+00	0.00E+00	9.35E-10
4517	380303.22	3735197.51	9.21E-09	0.00E+00	0.00E+00	0.00E+00	9.21E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09	9.43E-10	0.00E+00	0.00E+00	0.00E+00	9.43E-10
4518	380313.22	3735197.51	9.28E-09	0.00E+00	0.00E+00	0.00E+00	9.28E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09	9.50E-10	0.00E+00	0.00E+00	0.00E+00	9.50E-10
4519	380323.22	3735197.51	9.36E-09	0.00E+00	0.00E+00	0.00E+00	9.36E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09	9.58E-10	0.00E+00	0.00E+00	0.00E+00	9.58E-10
4520	380333.22	3735197.51	9.44E-09	0.00E+00	0.00E+00	0.00E+00	9.44E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09	9.66E-10	0.00E+00	0.00E+00	0.00E+00	9.66E-10
4521	380263.22	3735207.51	9.00E-09	0.00E+00	0.00E+00	0.00E+00	9.00E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09	9.22E-10	0.00E+00	0.00E+00	0.00E+00	9.22E-10
4522	380273.22	3735207.51	9.07E-09	0.00E+00	0.00E+00	0.00E+00	9.07E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09	9.29E-10	0.00E+00	0.00E+00	0.00E+00	9.29E-10
4523	380283.22	3735207.51	9.13E-09	0.00E+00	0.00E+00	0.00E+00	9.13E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09	9.35E-10	0.00E+00	0.00E+00	0.00E+00	9.35E-10
4524	380293.22	3735207.51	9.20E-09	0.00E+00	0.00E+00	0.00E+00	9.20E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09	9.42E-10	0.00E+00	0.00E+00	0.00E+00	9.42E-10
4525	380303.22	3735207.51	9.28E-09	0.00E+00	0.00E+00	0.00E+00	9.28E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09	9.50E-10	0.00E+00	0.00E+00	0.00E+00	9.50E-10
4526	380313.22	3735207.51	9.34E-09	0.00E+00	0.00E+00	0.00E+00	9.34E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09	9.57E-10	0.00E+00	0.00E+00	0.00E+00	9.57E-10
4527	380323.22	3735207.51	9.42E-09	0.00E+00	0.00E+00	0.00E+00	9.42E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09	9.65E-10	0.00E+00	0.00E+00	0.00E+00	9.65E-10
4528	380333.22	3735207.51	9.50E-09	0.00E+00	0.00E+00	0.00E+00	9.50E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09	9.73E-10	0.00E+00	0.00E+00	0.00E+00	9.73E-10
4529	380263.22	3735217.51	9.08E-09	0.00E+00	0.00E+00	0.00E+00	9.08E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09	9.30E-10	0.00E+00	0.00E+00	0.00E+00	9.30E-10
4530	380273.22	3735217.51	9.13E-09	0.00E+00	0.00E+00	0.00E+00	9.13E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09	9.35E-10	0.00E+00	0.00E+00	0.00E+00	9.35E-10
4531	380283.22	3735217.51	9.20E-09	0.00E+00	0.00E+00	0.00E+00	9.20E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09	9.42E-10	0.00E+00	0.00E+00	0.00E+00	9.42E-10
4532	380293.22	3735217.51	9.28E-09	0.00E+00	0.00E+00	0.00E+00	9.28E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09	9.50E-10	0.00E+00	0.00E+00	0.00E+00	9.50E-10
4533	380303.22	3735217.51	9.34E-09	0.00E+00	0.00E+00	0.00E+00	9.34E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09	9.57E-10	0.00E+00	0.00E+00	0.00E+00	9.57E-10
4534	380313.22	3735217.51	9.42E-09	0.00E+00	0.00E+00	0.00E+00	9.42E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09	9.65E-10	0.00E+00	0.00E+00	0.00E+00	9.65E-10
4535	380323.22	3735217.51	9.50E-09	0.00E+00	0.00E+00	0.00E+00	9.50E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09	9.73E-10	0.00E+00	0.00E+00	0.00E+00	9.73E-10
4536	380333.22	3735217.51	9.58E-09	0.00E+00	0.00E+00	0.00E+00	9.58E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09	9.81E-10	0.00E+00	0.00E+00	0.00E+00	9.81E-10
4537	380263.22	3735227.51	9.15E-09	0.00E+00	0.00E+00	0.00E+00	9.15E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09	9.37E-10	0.00E+00	0.00E+00	0.00E+00	9.37E-10
4538	380273.22	3735227.51	9.21E-09	0.00E+00	0.00E+00	0.00E+00	9.21E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09	9.43E-10	0.00E+00	0.00E+00	0.00E+00	9.43E-10
4539	380283.22	3735227.51	9.28E-09	0.00E+00	0.00E+00	0.00E+00	9.28E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09	9.50E-10	0.00E+00	0.00E+00	0.00E+00	9.50E-10
4540	380293.22	3735227.51	9.36E-09	0.00E+00	0.00E+00	0.00E+00	9.36E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09	9.58E-10	0.00E+00	0.00E+00	0.00E+00	9.58E-10
4541	380303.22	3735227.51	9.42E-09	0.00E+00	0.00E+00	0.00E+00	9.42E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09	9.65E-10	0.00E+00	0.00E+00	0.00E+00	9.65E-10
4542	380313.22	3735227.51	9.50E-09	0.00E+00	0.00E+00	0.00E+00	9.50E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09	9.73E-10	0.00E+00	0.00E+00	0.00E+00	9.73E-10
4543	380323.22	3735227.51	9.57E-09	0.00E+00	0.00E+00	0.00E+00	9.57E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09	9.80E-10	0.00E+00	0.00E+00	0.00E+00	9.80E-10
4544	380333.22	3735227.51	9.65E-09	0.00E+00	0.00E+00	0.00E+00	9.65E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09	9.88E-10	0.00E+00	0.00E+00	0.00E+00	9.88E-10
4545	380263.22	3735237.51	9.24E-09	0.00E+00	0.00E+00	0.00E+00	9.24E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09	9.46E-10	0.00E+00	0.00E+00	0.00E+00	9.46E-10
4546	380273.22	3735237.51	9.29E-09	0.00E+00	0.00E+00	0.00E+00	9.29E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09	9.52E-10	0.00E+00	0.00E+00	0.00E+00	9.52E-10
4547	380283.22	3735237.51	9.36E-09	0.00E+00	0.00E+00	0.00E+00	9.36E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09	9.58E-10	0.00E+00	0.00E+00	0.00E+00	9.58E-10
4548	380293.22	3735237.51	9.44E-09	0.00E+00	0.00E+00	0.00E+00	9.44E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09	9.66E-10	0.00E+00	0.00E+00	0.00E+00	9.66E-10
4549	380303.22	3735237.51	9.50E-09	0.00E+00	0.00E+00	0.00E+00	9.50E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09	9.73E-10	0.00E+00	0.00E+00	0.00E+00	9.73E-10
4550	380313.22	3735237.51	9.58E-09	0.00E+00	0.00E+00	0.00E+00	9.58E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09	9.81E-10	0.00E+00	0.00E+00	0.00E+00	9.81E-10
4551	380323.22	3735237.51	9.65E-09	0.00E+00	0.00E+00	0.00E+00	9.65E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09	9.88E-10	0.00E+00	0.00E+00	0.00E+00	9.88E-10
4552	380333.22	3735237.51	9.73E-09	0.00E+00	0.00E+00	0.00E+00	9.73E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09	9.96E-10	0.00E+00	0.00E+00	0.00E+00	9.96E-10
4553	380263.22	3735247.51	9.32E-09	0.00E+00	0.00E+00	0.00E+00	9.32E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09	9.54E-10	0.00E+00	0.00E+00	0.00E+00	9.54E-10
4554	380273.22	3735247.51	9.37E-09	0.00E+00	0.00E+00	0.00E+00	9.37E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09	9.60E-10	0.00E+00	0.00E+00	0.00E+00	9.60E-10
4555	380283.22	3735247.51	9.44E-09	0.00E+00	0.00E+00	0.00E+00	9.44E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09	9.66E-10	0.00E+00	0.00E+00	0.00E+00	9.66E-10
4556	380293.22	3735247.51	9.51E-09	0.00E+00	0.00E+00	0.00E+00	9.51E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09	9.74E-10	0.00E+00	0.00E+00	0.00E+00	9.74E-10
4557	380303.22	3735247.51	9.59E-09	0.00E+00	0.00E+00	0.00E+00	9.59E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09	9.83E-10	0.00E+00	0.00E+00	0.00E+00	9.83E-10
4558	380313.22	3735247.51	9.66E-09	0.00E+00	0.00E+00	0.00E+00	9.66E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09	9.89E-10	0.00E+00	0.00E+00	0.00E+00	9.89E-10
4559	380323.22	3735247.51	9.74E-09	0.00E+00	0.00E+00	0.00E+00	9.74E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09	9.97E-10	0.00E+00	0.00E+00	0.00E+00	9.97E-10
4560	380333.22	3735247.51	9.80E-09	0.00E+00	0.00E+00	0.00E+00	9.80E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09	1.00E-09	0.00E+00	0.00E+00	0.00E+00	1.00E-09
4561	380263.22	3735257.51	9.40E-09	0.00E+00	0.00E+00	0.00E+00	9.40E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09	9.62E-10	0.00E+00	0.00E+00	0.00E+00	9.62E-10
4562	380273.22	3735257.51	9.46E-09	0.00E+00	0.00E+00	0.00E+00	9.46E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09	9.69E-10	0.00E+00	0.00E+00	0.00E+00	9.69E-10
4563	380283.22	3735257.51	9.53E-09	0.00E+00	0.00E+00	0.00E+00	9.53E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09	9.76E-10	0.00E+00	0.00E+00	0.00E+00	9.76E-10
4564	380293.22	3735257.51	9.59E-09	0.00E+00	0.00E+00	0.00E+00	9.59E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09	9.83E-10	0.00E+00	0.00E+00	0.00E+00	9.83E-10
4565	380303.22	3735257.51	9.67E-09	0.00E+00	0.00E+00	0.00E+00	9.67E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09	9.91E-10	0.00E+00	0.00E+00	0.00E+00	9.91E-10
4566	380313.22	3735257.51	9.75E-09	0.00E+00	0.00E+00	0.00E+00	9.75E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09	9.99E-10	0.00E+00	0.00E+00	0.00E+00	9.99E-10
4567	380323.22	3735257.51	9.83E-09	0.00E+00	0.00E+00	0.00E+00	9.83E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
4568	380333.22	3735257.51	9.91E-09	0.00E+00	0.00E+00	0.00E+00	9.91E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
4569	380263.22	3735267.51	9.49E-09	0.00E+00	0.00E+00	0.00E+00	9.49E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09	9.72E-10	0.00E+00	0.00E+00	0.00E+00	9.72E-10
4570	380273.22	3735267.51	9.54E-09	0.00E+00	0.00E+00	0.00E+00	9.54E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09	9.77E-10	0.00E+00	0.00E+00	0.00E+00	9.77E-10
4571	380283.22	3735267.51	9.61E-09	0.00E+00	0.00E+00	0.00E+00	9.61E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09	9.84E-10	0.00E+00	0.00E+00	0.00E+00	9.84E-10
4572	380293.22	3735267.51	9.69E-09	0.00E+00	0.00E+00	0.00E+00	9.69E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09	9.92E-10	0.00E+00	0.00E+00	0.00E+00	9.92E-10
4573	380303.22	3735267.51	9.76E-09	0.00E+00	0.00E+00	0.00E+00	9.76E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09	1.00E-09	0.00E+00	0.00E+00	0.00E+00	1.00E-09
4574	380313.22	3735267.51	9.84E-09	0.00E+00	0.00E+00	0.00E+00	9.84E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
4575	380323.22	3735267.51	9.92E-09	0.00E+00	0.00E+00	0.00E+00	9.92E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
4576	380333.22	3735267.51	1.00E-08	0.00E+00	0.00E+00	0.00E+00	1.00E-08	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
4577	380343.22	3735267.51	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
4578	380263.22	3735297.51	9.76E-09	0.00E+00	0.00E+00	0.00E+00	9.76E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09	1.00E-09	0.00E+00	0.00E+00	0.00E+00	1.00E-09
4579	380273.22	3735297.51	9.82E-09	0.00E+00	0.00E+00	0.00E+00	9.82E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
4580	380283.22	3735297.51	9.90E-09	0.00E+00	0.00E+00	0.00E+00	9.90E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
4581	380293.22	3735297.51	9.98E-09	0.00E+00	0.00E+00	0.00E+00	9.98E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
4582	380303.22	3735297.51	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
4583	380313.22	3735297.51	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
4584	380323.22	3735297.51	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
4585	380333.22	3735297.51	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
4586	380343.22	3735297.51	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
4587	380263.22	3735307.51	9.84E-09	0.00E+00	0.00E+00	0.00E+00	9.84E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
4588	380273.22	3735307.51	9.91E-09	0.00E+00	0.00E+00	0.00E+00	9.91E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
4589	380283.22	3735307.51	9.98E-09	0.00E+00	0.00E+00	0.00E+00	9.98E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
4590	380293.22	3735307.51	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
4591	380303.22	3735307.51	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
4592	380313.22	3735307.51	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
4593	380323.22	3735307.51	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
4594	380333.22	3735307.51	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
4595	380343.22	3735307.51	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
4596	380263.22	3735317.51	9.94E-09	0.00E+00	0.00E+00	0.00E+00	9.94E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
4597	380273.22	3735317.51	1.00E-08	0.00E+00	0.00E+00	0.00E+00	1.00E-08	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
4598	380283.22	3735317.51	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
4599	380293.22	3735317.51	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
4600	380303.22	3735317.51	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
4601	380313.22	3735317.51	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
4602	380323.22	3735317.51	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
4603	380333.22	3735317.51	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
4604	380343.22	3735317.51	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
4605	380263.22	3735327.51	1.00E-08	0.00E+00	0.00E+00	0.00E+00	1.00E-08	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
4606	380273.22	3735327.51	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
4607	380283.22	3735327.51	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
4608	380293.22	3735327.51	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
4609	380303.22	3735327.51	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
4610	380313.22	3735327.51	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
4611	380323.22	3735327.51	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
4612	380333.22	3735327.51	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
4613	380343.22	3735327.51	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
4614	380263.22	3735337.51	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
4615	380273.22	3735337.51	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
4616	380283.22	3735337.51	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09

4617	380293.22	3735337.51	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
4618	380303.22	3735337.51	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
4619	380313.22	3735337.51	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
4620	380323.22	3735337.51	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
4621	380333.22	3735337.51	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
4622	380343.22	3735337.51	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
4623	380263.22	3735347.51	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
4624	380273.22	3735347.51	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
4625	380283.22	3735347.51	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
4626	380293.22	3735347.51	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
4627	380303.22	3735347.51	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
4628	380313.22	3735347.51	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
4629	380323.22	3735347.51	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
4630	380333.22	3735347.51	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
4631	380343.22	3735347.51	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
4632	380263.22	3735357.51	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
4633	380273.22	3735357.51	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
4634	380283.22	3735357.51	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
4635	380293.22	3735357.51	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
4636	380303.22	3735357.51	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
4637	380313.22	3735357.51	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
4638	380323.22	3735357.51	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
4639	380333.22	3735357.51	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
4640	380343.22	3735357.51	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
4641	380263.22	3735367.51	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
4642	380273.22	3735367.51	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
4643	380283.22	3735367.51	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
4644	380293.22	3735367.51	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
4645	380303.22	3735367.51	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
4646	380313.22	3735367.51	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
4647	380323.22	3735367.51	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
4648	380333.22	3735367.51	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
4649	380343.22	3735367.51	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
4650	380263.22	3735377.51	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
4651	380273.22	3735377.51	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
4652	380283.22	3735377.51	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
4653	380293.22	3735377.51	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
4654	380303.22	3735377.51	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
4655	380313.22	3735377.51	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
4656	380323.22	3735377.51	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
4657	380333.22	3735377.51	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
4658	380343.22	3735377.51	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
4659	380263.22	3735387.51	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
4660	380273.22	3735387.51	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
4661	380283.22	3735387.51	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
4662	380293.22	3735387.51	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
4663	380303.22	3735387.51	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
4664	380313.22	3735387.51	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
4665	380323.22	3735387.51	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
4666	380333.22	3735387.51	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
4667	380343.22	3735387.51	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
4668	380263.22	3735397.51	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
4669	380273.22	3735397.51	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
4670	380283.22	3735397.51	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
4671	380293.22	3735397.51	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
4672	380303.22	3735397.51	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
4673	380313.22	3735397.51	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
4674	380323.22	3735397.51	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
4675	380333.22	3735397.51	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
4676	380343.22	3735397.51	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
4677	380263.22	3735407.51	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
4678	380273.22	3735407.51	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
4679	380283.22	3735407.51	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
4680	380293.22	3735407.51	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
4681	380303.22	3735407.51	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
4682	380313.22	3735407.51	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
4683	380323.22	3735407.51	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
4684	380333.22	3735407.51	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
4685	380343.22	3735407.51	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
4686	380263.22	3735417.51	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
4687	380273.22	3735417.51	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
4688	380283.22	3735417.51	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
4689	380293.22	3735417.51	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
4690	380303.22	3735417.51	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
4691	380313.22	3735417.51	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
4692	380323.22	3735417.51	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
4693	380333.22	3735417.51	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
4694	380263.22	3735427.51	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
4695	380273.22	3735427.51	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
4696	380283.22	3735427.51	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
4697	380293.22	3735427.51	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
4698	380303.22	3735427.51	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
4699	380313.22	3735427.51	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
4700	380323.22	3735427.51	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
4701	380333.22	3735427.51	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.81E-09	0.00E+00	0.00E+00	0.00E+00	1.81E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
4702	380263.22	3735437.51	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
4703	380273.22	3735437.51	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
4704	380283.22	3735437.51	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
4705	380293.22	3735437.51	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
4706	380303.22	3735437.51	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
4707	380313.22	3735437.51	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
4708	380323.22	3735437.51	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
4709	380333.22	3735437.51	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
4710	379726.59	3735430.99	8.55E-09	0.00E+00	0.00E+00	0.00E+00	8.55E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09	8.76E-10	0.00E+00	0.00E+00	0.00E+00	8.76E-10
4711	379746.59	3735430.99	8.64E-09	0.00E+00	0.00E+00	0.00E+00	8.64E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09	8.85E-10	0.00E+00	0.00E+00	0.00E+00	8.85E-10
4712	379766.59	3735430.99	8.75E-09	0.00E+00	0.00E+00	0.00E+00	8.75E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09	8.96E-10	0.00E+00	0.00E+00	0.00E+00	8.96E-10
4713	379786.59	3735430.99	8.86E-09	0.00E+00	0.00E+00	0.00E+00	8.86E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09	9.07E-10	0.00E+00	0.00E+00	0.00E+00	9.07E-10
4714	379806.59	3735430.99	8.96E-09	0.00E+00	0.00E+00	0.00E+00	8.96E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09	9.18E-10	0.00E+00	0.00E+00	0.00E+00	9.18E-10
4715	379826.59	3735430.99	9.05E-09	0.00E+00	0.00E+00	0.00E+00	9.05E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09	9.27E-10	0.00E+00	0.00E+00	0.00E+00	9.27E-10
4716	379846.59	3735430.99	9.15E-09	0.00E+00	0.00E+00	0.00E+00	9.15E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09	9.37E-10	0.00E+00	0.00E+00	0.00E+00	9.37E-10
4717	379866.59	3735430.99	9.25E-09	0.00E+00	0.00E+00	0.00E+00	9.25E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09	9.48E-10	0.00E+00	0.00E+00	0.00E+00	9.48E-10
4718	379886.59	3735430.99	9.34E-09	0.00E+00	0.00E+00	0.00E+00	9.34E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09	9.57E-10	0.00E+00	0.00E+00	0.00E+00	9.57E-10
4719	379906.59	3735430.99	9.46E-09	0.00E+00	0.00E+00	0.00E+00	9.46E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09	9.69E-10	0.00E+00	0.00E+00	0.00E+00	9.69E-10
4720	379926.59	3735430.99	9.58E-09	0.00E+00	0.00E+00	0.00E+00	9.58E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09	9.81E-10	0.00E+00	0.00E+00	0.00E+00	9.81E-10
4721	379946.59	3735430.99	9.71E-09	0.00E+00	0.00E+00	0.00E+00	9.71E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09	9.95E-10	0.00E+00	0.00E+00	0.00E+00	9.95E-10

4722	379966.59	3735430.99	9.84E-09	0.00E+00	0.00E+00	0.00E+00	9.84E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
4723	379986.59	3735430.99	9.96E-09	0.00E+00	0.00E+00	0.00E+00	9.96E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
4724	379726.59	3735450.99	8.68E-09	0.00E+00	0.00E+00	0.00E+00	8.68E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09	8.89E-10	0.00E+00	0.00E+00	0.00E+00	8.89E-10
4725	379746.59	3735450.99	8.79E-09	0.00E+00	0.00E+00	0.00E+00	8.79E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09	9.00E-10	0.00E+00	0.00E+00	0.00E+00	9.00E-10
4726	379766.59	3735450.99	8.88E-09	0.00E+00	0.00E+00	0.00E+00	8.88E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09	9.10E-10	0.00E+00	0.00E+00	0.00E+00	9.10E-10
4727	379786.59	3735450.99	8.99E-09	0.00E+00	0.00E+00	0.00E+00	8.99E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09	9.21E-10	0.00E+00	0.00E+00	0.00E+00	9.21E-10
4728	379806.59	3735450.99	9.09E-09	0.00E+00	0.00E+00	0.00E+00	9.09E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09	9.31E-10	0.00E+00	0.00E+00	0.00E+00	9.31E-10
4729	379826.59	3735450.99	9.20E-09	0.00E+00	0.00E+00	0.00E+00	9.20E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09	9.42E-10	0.00E+00	0.00E+00	0.00E+00	9.42E-10
4730	379846.59	3735450.99	9.30E-09	0.00E+00	0.00E+00	0.00E+00	9.30E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09	9.53E-10	0.00E+00	0.00E+00	0.00E+00	9.53E-10
4731	379866.59	3735450.99	9.42E-09	0.00E+00	0.00E+00	0.00E+00	9.42E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09	9.65E-10	0.00E+00	0.00E+00	0.00E+00	9.65E-10
4732	379886.59	3735450.99	9.53E-09	0.00E+00	0.00E+00	0.00E+00	9.53E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09	9.76E-10	0.00E+00	0.00E+00	0.00E+00	9.76E-10
4733	379906.59	3735450.99	9.65E-09	0.00E+00	0.00E+00	0.00E+00	9.65E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09	9.88E-10	0.00E+00	0.00E+00	0.00E+00	9.88E-10
4734	379926.59	3735450.99	9.78E-09	0.00E+00	0.00E+00	0.00E+00	9.78E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09	1.00E-09	0.00E+00	0.00E+00	0.00E+00	1.00E-09
4735	379946.59	3735450.99	9.92E-09	0.00E+00	0.00E+00	0.00E+00	9.92E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
4736	379966.59	3735450.99	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
4737	379986.59	3735450.99	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
4738	379726.59	3735470.99	8.80E-09	0.00E+00	0.00E+00	0.00E+00	8.80E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09	9.02E-10	0.00E+00	0.00E+00	0.00E+00	9.02E-10
4739	379746.59	3735470.99	8.91E-09	0.00E+00	0.00E+00	0.00E+00	8.91E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09	9.12E-10	0.00E+00	0.00E+00	0.00E+00	9.12E-10
4740	379766.59	3735470.99	9.01E-09	0.00E+00	0.00E+00	0.00E+00	9.01E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09	9.23E-10	0.00E+00	0.00E+00	0.00E+00	9.23E-10
4741	379786.59	3735470.99	9.12E-09	0.00E+00	0.00E+00	0.00E+00	9.12E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09	9.34E-10	0.00E+00	0.00E+00	0.00E+00	9.34E-10
4742	379806.59	3735470.99	9.22E-09	0.00E+00	0.00E+00	0.00E+00	9.22E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09	9.45E-10	0.00E+00	0.00E+00	0.00E+00	9.45E-10
4743	379826.59	3735470.99	9.33E-09	0.00E+00	0.00E+00	0.00E+00	9.33E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09	9.56E-10	0.00E+00	0.00E+00	0.00E+00	9.56E-10
4744	379846.59	3735470.99	9.45E-09	0.00E+00	0.00E+00	0.00E+00	9.45E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09	9.68E-10	0.00E+00	0.00E+00	0.00E+00	9.68E-10
4745	379866.59	3735470.99	9.58E-09	0.00E+00	0.00E+00	0.00E+00	9.58E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09	9.81E-10	0.00E+00	0.00E+00	0.00E+00	9.81E-10
4746	379886.59	3735470.99	9.70E-09	0.00E+00	0.00E+00	0.00E+00	9.70E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09	9.93E-10	0.00E+00	0.00E+00	0.00E+00	9.93E-10
4747	379906.59	3735470.99	9.83E-09	0.00E+00	0.00E+00	0.00E+00	9.83E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
4748	379926.59	3735470.99	9.96E-09	0.00E+00	0.00E+00	0.00E+00	9.96E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
4749	379946.59	3735470.99	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
4750	379966.59	3735470.99	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
4751	379986.59	3735470.99	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
4752	379726.59	3735490.99	8.92E-09	0.00E+00	0.00E+00	0.00E+00	8.92E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09	9.14E-10	0.00E+00	0.00E+00	0.00E+00	9.14E-10
4753	379746.59	3735490.99	9.04E-09	0.00E+00	0.00E+00	0.00E+00	9.04E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09	9.26E-10	0.00E+00	0.00E+00	0.00E+00	9.26E-10
4754	379766.59	3735490.99	9.15E-09	0.00E+00	0.00E+00	0.00E+00	9.15E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09	9.37E-10	0.00E+00	0.00E+00	0.00E+00	9.37E-10
4755	379786.59	3735490.99	9.25E-09	0.00E+00	0.00E+00	0.00E+00	9.25E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09	9.48E-10	0.00E+00	0.00E+00	0.00E+00	9.48E-10
4756	379806.59	3735490.99	9.36E-09	0.00E+00	0.00E+00	0.00E+00	9.36E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09	9.58E-10	0.00E+00	0.00E+00	0.00E+00	9.58E-10
4757	379826.59	3735490.99	9.47E-09	0.00E+00	0.00E+00	0.00E+00	9.47E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09	9.70E-10	0.00E+00	0.00E+00	0.00E+00	9.70E-10
4758	379846.59	3735490.99	9.61E-09	0.00E+00	0.00E+00	0.00E+00	9.61E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09	9.84E-10	0.00E+00	0.00E+00	0.00E+00	9.84E-10
4759	379866.59	3735490.99	9.74E-09	0.00E+00	0.00E+00	0.00E+00	9.74E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09	9.97E-10	0.00E+00	0.00E+00	0.00E+00	9.97E-10
4760	379886.59	3735490.99	9.86E-09	0.00E+00	0.00E+00	0.00E+00	9.86E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
4761	379906.59	3735490.99	1.00E-08	0.00E+00	0.00E+00	0.00E+00	1.00E-08	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
4762	379926.59	3735490.99	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
4763	379946.59	3735490.99	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
4764	379966.59	3735490.99	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
4765	379986.59	3735490.99	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
4766	379726.59	3735510.99	9.03E-09	0.00E+00	0.00E+00	0.00E+00	9.03E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09	9.25E-10	0.00E+00	0.00E+00	0.00E+00	9.25E-10
4767	379746.59	3735510.99	9.17E-09	0.00E+00	0.00E+00	0.00E+00	9.17E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09	9.39E-10	0.00E+00	0.00E+00	0.00E+00	9.39E-10
4768	379766.59	3735510.99	9.29E-09	0.00E+00	0.00E+00	0.00E+00	9.29E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09	9.52E-10	0.00E+00	0.00E+00	0.00E+00	9.52E-10
4769	379786.59	3735510.99	9.40E-09	0.00E+00	0.00E+00	0.00E+00	9.40E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09	9.62E-10	0.00E+00	0.00E+00	0.00E+00	9.62E-10
4770	379806.59	3735510.99	9.50E-09	0.00E+00	0.00E+00	0.00E+00	9.50E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09	9.73E-10	0.00E+00	0.00E+00	0.00E+00	9.73E-10
4771	379826.59	3735510.99	9.62E-09	0.00E+00	0.00E+00	0.00E+00	9.62E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09	9.85E-10	0.00E+00	0.00E+00	0.00E+00	9.85E-10
4772	379846.59	3735510.99	9.76E-09	0.00E+00	0.00E+00	0.00E+00	9.76E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09	1.00E-09	0.00E+00	0.00E+00	0.00E+00	1.00E-09
4773	379866.59	3735510.99	9.90E-09	0.00E+00	0.00E+00	0.00E+00	9.90E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
4774	379886.59	3735510.99	1.00E-08	0.00E+00	0.00E+00	0.00E+00	1.00E-08	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
4775	379906.59	3735510.99	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
4776	379926.59	3735510.99	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
4777	379946.59	3735510.99	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
4778	379966.59	3735510.99	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
4779	379986.59	3735510.99	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
4780	379726.59	3735530.99	9.12E-09	0.00E+00	0.00E+00	0.00E+00	9.12E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09	9.34E-10	0.00E+00	0.00E+00	0.00E+00	9.34E-10
4781	379746.59	3735530.99	9.25E-09	0.00E+00	0.00E+00	0.00E+00	9.25E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09	9.48E-10	0.00E+00	0.00E+00	0.00E+00	9.48E-10
4782	379766.59	3735530.99	9.38E-09	0.00E+00	0.00E+00	0.00E+00	9.38E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09	9.61E-10	0.00E+00	0.00E+00	0.00E+00	9.61E-10
4783	379786.59	3735530.99	9.51E-09	0.00E+00	0.00E+00	0.00E+00	9.51E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09	9.74E-10	0.00E+00	0.00E+00	0.00E+00	9.74E-10
4784	379806.59	3735530.99	9.63E-09	0.00E+00	0.00E+00	0.00E+00	9.63E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09	9.87E-10	0.00E+00	0.00E+00	0.00E+00	9.87E-10
4785	379826.59	3735530.99	9.76E-09	0.00E+00	0.00E+00	0.00E+00	9.76E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09	1.00E-09	0.00E+00	0.00E+00	0.00E+00	1.00E-09
4786	379846.59	3735530.99	9.91E-09	0.00E+00	0.00E+00	0.00E+00	9.91E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
4787	379866.59	3735530.99	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
4788	379886.59	3735530.99	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
4789	379906.59	3735530.99	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
4790	379926.59	3735530.99	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
4791	379946.59	3735530.99	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
4792	379966.59	3735530.99	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
4793	379986.59	3735530.99	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
4794	379726.59	3735550.99	9.20E-09	0.00E+00	0.00E+00	0.00E+00	9.20E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09	9.42E-10	0.00E+00	0.00E+00	0.00E+00	9.42E-10
4795	379746.59	3735550.99	9.34E-09	0.00E+00	0.00E+00	0.00E+00	9.34E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09	9.57E-10	0.00E+00	0.00E+00	0.00E+00	9.57E-10
4796	379766.59	3735550.99	9.49E-09	0.00E+00	0.00E+00	0.00E+00	9.49E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09	9.72E-10	0.00E+00	0.00E+00	0.00E+00	9.72E-10
4797	379786.59	3735550.99	9.62E-09	0.00E+00	0.00E+00	0.00E+00	9.62E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09	9.85E-10	0.00E+00	0.00E+00	0.00E+00	9.85E-10
4798	379806.59	3735550.99	9.76E-09	0.00E+00	0.00E+00	0.00E+00	9.76E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09	1.00E-09	0.00E+00	0.00E+00	0.00E+00	1.00E-09
4799	379826.59	3735550.99	9.90E-09	0.00E+00	0.00E+00	0.00E+00	9.90E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
4800	379846.59	3735550.99	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
4801	379866.59	3735550.99	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
4802	379886.59	3735550.99	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
4803	379906.59	3735550.99	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
4804	379926.59	3735550.99	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
4805	379946.59	3735550.99	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
4806	379966.59	3735550.99	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
4807	379986.59	3735550.99	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
4808	379726.59	3735570.99	9.28E-09	0.00E+00	0.00E+00	0.00E+00	9.28E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09	9.50E-10	0.00E+00	0.00E+00	0.00E+00	9.50E-10
4809	379746.59	3735570.99	9.44E-09	0.00E+00	0.00E+00	0.00E+00	9.44E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09	9.66E-10	0.00E+00	0.00E+00	0.00E+00	9.66E-10
4810	379766.59	3735570.99	9.58E-09	0.00E+00	0.00E+00	0.00E+00	9.58E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09	9.81E-10	0.00E+00	0.00E+00	0.00E+00	9.81E-10
4811	379786.59	3735570.99	9.73E-09	0.00E+00	0.00E+00	0.00E+00	9.73E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09	9.96E-10	0.00E+00	0.00E+00	0.00E+00	9.96E-10
4812	379806.59	3735570.99	9.87E-09	0.00E+00	0.00E+00	0.00E+00	9.87E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
4813	379826.59	3735570.99	1.00E-08	0.00E+00	0.00E+00	0.00E+00	1.00E-08	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
4814	379846.59	3735570.99	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
4815	379866.59	3735570.99	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
4816	379886.59	3735570.99	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
4817	379906.59	3735570.99	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
4818	379926.59	3735570.99	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
4819	379946.59	3735570.99	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
4820	379966.59	3735570.99	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
4821	379986.59	3735570.99	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
4822	379726.59	3735590.99	9.40E-09	0.00E+00	0.00E+00	0.00E+00	9.40E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09	9.62E-10	0.00E+00	0.00E+00	0.00E+00	9.62E-10
4823	379746.59	3735590.99	9.54E-09	0.00E+00	0.00E+00	0.00E+00	9.54E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09	9.77E-10	0.00E+00	0.00E+00	0.00E+00	9.77E-10
4824	379766.59	3735590.99	9.69E-09	0.00E+00	0.00E+00	0.00E+00	9.69E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09	9.92E-10	0.00E+00	0.00E+00	0.00E+00	9.92E-10
4825	379786.59	3735590.99	9.83E-09	0.00E+00	0.00E+00	0.00E+00	9.83E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
4826	379806.59	3735590.99	9.98E-09	0.00E+00	0.00E+00	0.00E+00	9.98E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09

4827	379826.59	3735590.99	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
4828	379846.59	3735590.99	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
4829	379866.59	3735590.99	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
4830	379886.59	3735590.99	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
4831	379906.59	3735590.99	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
4832	379926.59	3735590.99	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
4833	379946.59	3735590.99	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
4834	379966.59	3735590.99	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
4835	379986.59	3735590.99	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
4836	379726.59	3735610.99	9.53E-09	0.00E+00	0.00E+00	0.00E+00	9.53E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09	9.76E-10	0.00E+00	0.00E+00	0.00E+00	9.76E-10
4837	379746.59	3735610.99	9.66E-09	0.00E+00	0.00E+00	0.00E+00	9.66E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09	9.89E-10	0.00E+00	0.00E+00	0.00E+00	9.89E-10
4838	379766.59	3735610.99	9.80E-09	0.00E+00	0.00E+00	0.00E+00	9.80E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09	1.00E-09	0.00E+00	0.00E+00	0.00E+00	1.00E-09
4839	379786.59	3735610.99	9.95E-09	0.00E+00	0.00E+00	0.00E+00	9.95E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
4840	379806.59	3735610.99	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
4841	379826.59	3735610.99	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
4842	379846.59	3735610.99	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
4843	379866.59	3735610.99	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
4844	379886.59	3735610.99	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
4845	379906.59	3735610.99	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
4846	379926.59	3735610.99	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
4847	379946.59	3735610.99	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
4848	379966.59	3735610.99	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
4849	379986.59	3735610.99	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
4850	379726.59	3735630.99	9.66E-09	0.00E+00	0.00E+00	0.00E+00	9.66E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09	9.89E-10	0.00E+00	0.00E+00	0.00E+00	9.89E-10
4851	379746.59	3735630.99	9.79E-09	0.00E+00	0.00E+00	0.00E+00	9.79E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09	1.00E-09	0.00E+00	0.00E+00	0.00E+00	1.00E-09
4852	379766.59	3735630.99	9.94E-09	0.00E+00	0.00E+00	0.00E+00	9.94E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
4853	379786.59	3735630.99	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
4854	379806.59	3735630.99	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
4855	379826.59	3735630.99	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
4856	379846.59	3735630.99	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
4857	379866.59	3735630.99	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
4858	379886.59	3735630.99	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
4859	379906.59	3735630.99	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
4860	379926.59	3735630.99	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
4861	379946.59	3735630.99	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
4862	379966.59	3735630.99	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
4863	379986.59	3735630.99	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
4864	380006.59	3735630.99	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
4865	380026.59	3735630.99	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
4866	380046.59	3735630.99	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
4867	380066.59	3735630.99	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
4868	380086.59	3735630.99	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
4869	380106.59	3735630.99	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.07E-09	0.00E+00	0.00E+00	0.00E+00	2.07E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
4870	379726.59	3735650.99	9.79E-09	0.00E+00	0.00E+00	0.00E+00	9.79E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09	1.00E-09	0.00E+00	0.00E+00	0.00E+00	1.00E-09
4871	379746.59	3735650.99	9.92E-09	0.00E+00	0.00E+00	0.00E+00	9.92E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
4872	379766.59	3735650.99	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
4873	379786.59	3735650.99	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
4874	379806.59	3735650.99	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
4875	379826.59	3735650.99	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
4876	379846.59	3735650.99	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
4877	379866.59	3735650.99	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
4878	379886.59	3735650.99	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
4879	379906.59	3735650.99	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
4880	379926.59	3735650.99	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
4881	379946.59	3735650.99	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
4882	379966.59	3735650.99	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
4883	379986.59	3735650.99	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
4884	380006.59	3735650.99	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
4885	380026.59	3735650.99	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
4886	380046.59	3735650.99	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
4887	380066.59	3735650.99	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
4888	380086.59	3735650.99	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.07E-09	0.00E+00	0.00E+00	0.00E+00	2.07E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
4889	380106.59	3735650.99	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.12E-09	0.00E+00	0.00E+00	0.00E+00	2.12E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
4890	379726.59	3735670.99	9.94E-09	0.00E+00	0.00E+00	0.00E+00	9.94E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
4891	379746.59	3735670.99	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
4892	379766.59	3735670.99	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
4893	379786.59	3735670.99	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
4894	379806.59	3735670.99	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
4895	379826.59	3735670.99	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
4896	379846.59	3735670.99	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
4897	379866.59	3735670.99	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
4898	379886.59	3735670.99	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
4899	379906.59	3735670.99	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
4900	379926.59	3735670.99	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
4901	379946.59	3735670.99	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
4902	379966.59	3735670.99	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
4903	379986.59	3735670.99	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
4904	380006.59	3735670.99	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
4905	380026.59	3735670.99	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
4906	380046.59	3735670.99	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
4907	379726.59	3735690.99	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
4908	379746.59	3735690.99	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
4909	379766.59	3735690.99	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
4910	379786.59	3735690.99	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
4911	379806.59	3735690.99	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
4912	379826.59	3735690.99	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
4913	379846.59	3735690.99	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
4914	379866.59	3735690.99	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
4915	379886.59	3735690.99	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
4916	379906.59	3735690.99	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
4917	379926.59	3735690.99	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
4918	379946.59	3735690.99	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
4919	379966.59	3735690.99	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
4920	379986.59	3735690.99	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
4921	380006.59	3735690.99	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
4922	380026.59	3735690.99	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
4923	380046.59	3735690.99	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.03E-09	0.00E+00	0.00E+00	0.00E+00	2.03E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
4924	379726.59	3735710.99	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
4925	379746.59	3735710.99	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
4926	379766.59	3735710.99	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
4927	379786.59	3735710.99	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
4928	379806.59	3735710.99	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
4929	379826.59	3735710.99	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
4930	379846.59	3735710.99	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
4931	379866.59	3735710.99	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09

4932	379886.59	3735710.99	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
4933	379906.59	3735710.99	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
4934	379926.59	3735710.99	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
4935	379946.59	3735710.99	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
4936	379966.59	3735710.99	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
4937	379986.59	3735710.99	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
4938	380006.59	3735710.99	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
4939	380026.59	3735710.99	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
4940	380046.59	3735710.99	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.07E-09	0.00E+00	0.00E+00	0.00E+00	2.07E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
4941	379726.59	3735730.99	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
4942	379746.59	3735730.99	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
4943	379766.59	3735730.99	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
4944	379786.59	3735730.99	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
4945	379806.59	3735730.99	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
4946	379826.59	3735730.99	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
4947	379846.59	3735730.99	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
4948	379866.59	3735730.99	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
4949	379886.59	3735730.99	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
4950	379906.59	3735730.99	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
4951	379926.59	3735730.99	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
4952	379946.59	3735730.99	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
4953	379966.59	3735730.99	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
4954	379986.59	3735730.99	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
4955	380006.59	3735730.99	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
4956	380026.59	3735730.99	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.06E-09	0.00E+00	0.00E+00	0.00E+00	2.06E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
4957	380046.59	3735730.99	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.11E-09	0.00E+00	0.00E+00	0.00E+00	2.11E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09
4958	379726.59	3735750.99	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
4959	379746.59	3735750.99	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
4960	379766.59	3735750.99	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
4961	379786.59	3735750.99	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
4962	379806.59	3735750.99	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
4963	379826.59	3735750.99	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
4964	379846.59	3735750.99	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
4965	379866.59	3735750.99	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
4966	379886.59	3735750.99	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
4967	379906.59	3735750.99	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.90E-09	0.00E+00	0.00E+00	0.00E+00	1.90E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
4968	379926.59	3735750.99	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
4969	379946.59	3735750.99	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
4970	379966.59	3735750.99	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
4971	379986.59	3735750.99	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
4972	380006.59	3735750.99	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.06E-09	0.00E+00	0.00E+00	0.00E+00	2.06E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
4973	380026.59	3735750.99	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.10E-09	0.00E+00	0.00E+00	0.00E+00	2.10E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09
4974	380046.59	3735750.99	1.40E-08	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.15E-09	0.00E+00	0.00E+00	0.00E+00	2.15E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
4975	379726.59	3735770.99	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
4976	379746.59	3735770.99	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
4977	379766.59	3735770.99	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
4978	379786.59	3735770.99	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
4979	379806.59	3735770.99	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
4980	379826.59	3735770.99	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
4981	379846.59	3735770.99	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
4982	379866.59	3735770.99	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
4983	379886.59	3735770.99	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
4984	379906.59	3735770.99	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
4985	379926.59	3735770.99	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
4986	379946.59	3735770.99	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
4987	379966.59	3735770.99	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
4988	379986.59	3735770.99	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.07E-09	0.00E+00	0.00E+00	0.00E+00	2.07E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
4989	380006.59	3735770.99	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.11E-09	0.00E+00	0.00E+00	0.00E+00	2.11E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09
4990	380026.59	3735770.99	1.40E-08	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.15E-09	0.00E+00	0.00E+00	0.00E+00	2.15E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
4991	380046.59	3735770.99	1.43E-08	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.21E-09	0.00E+00	0.00E+00	0.00E+00	2.21E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09
4992	379726.59	3735790.99	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
4993	379746.59	3735790.99	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
4994	379766.59	3735790.99	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
4995	379786.59	3735790.99	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
4996	379806.59	3735790.99	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.81E-09	0.00E+00	0.00E+00	0.00E+00	1.81E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
4997	379826.59	3735790.99	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
4998	379846.59	3735790.99	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
4999	379866.59	3735790.99	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
5000	379886.59	3735790.99	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
5001	379906.59	3735790.99	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
5002	379926.59	3735790.99	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
5003	379946.59	3735790.99	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
5004	379966.59	3735790.99	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.09E-09	0.00E+00	0.00E+00	0.00E+00	2.09E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
5005	379986.59	3735790.99	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.12E-09	0.00E+00	0.00E+00	0.00E+00	2.12E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
5006	380006.59	3735790.99	1.40E-08	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.16E-09	0.00E+00	0.00E+00	0.00E+00	2.16E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09
5007	380026.59	3735790.99	1.43E-08	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.21E-09	0.00E+00	0.00E+00	0.00E+00	2.21E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09
5008	379726.59	3735810.99	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
5009	379746.59	3735810.99	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
5010	379766.59	3735810.99	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
5011	379786.59	3735810.99	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.81E-09	0.00E+00	0.00E+00	0.00E+00	1.81E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
5012	379806.59	3735810.99	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
5013	379826.59	3735810.99	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
5014	379846.59	3735810.99	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.90E-09	0.00E+00	0.00E+00	0.00E+00	1.90E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
5015	379866.59	3735810.99	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
5016	379886.59	3735810.99	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
5017	379906.59	3735810.99	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
5018	379926.59	3735810.99	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.06E-09	0.00E+00	0.00E+00	0.00E+00	2.06E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
5019	379946.59	3735810.99	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.09E-09	0.00E+00	0.00E+00	0.00E+00	2.09E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
5020	379966.59	3735810.99	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.14E-09	0.00E+00	0.00E+00	0.00E+00	2.14E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09
5021	379986.59	3735810.99	1.41E-08	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.18E-09	0.00E+00	0.00E+00	0.00E+00	2.18E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09
5022	380006.59	3735810.99	1.44E-08	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.22E-09	0.00E+00	0.00E+00	0.00E+00	2.22E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09
5023	380026.59	3735810.99	1.47E-08	0.00E+00	0.00E+00	0.00E+00	1.47E-08	2.26E-09	0.00E+00	0.00E+00	0.00E+00	2.26E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09
5024	379726.59	3735830.99	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
5025	379746.59	3735830.99	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
5026	379766.59	3735830.99	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.81E-09	0.00E+00	0.00E+00	0.00E+00	1.81E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
5027	379786.59	3735830.99	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
5028	379806.59	3735830.99	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
5029	379826.59	3735830.99	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
5030	379846.59	3735830.99	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
5031	379866.59	3735830.99	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
5032	379886.59	3735830.99	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
5033	379906.59	3735830.99	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
5034	379926.59	3735830.99	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.10E-09	0.00E+00	0.00E+00	0.00E+00	2.10E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
5035	379946.59	3735830.99	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.14E-09	0.00E+00	0.00E+00	0.00E+00	2.14E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09
5036	379966.59	3735830.99	1.42E-08	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.20E-09	0.00E+00	0.00E+00	0.00E+00	2.20E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09

5037	379986.59	3735830.99	1.46E-08	0.00E+00	0.00E+00	0.00E+00	1.46E-08	2.25E-09	0.00E+00	0.00E+00	0.00E+00	2.25E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09
5038	380006.59	3735830.99	1.49E-08	0.00E+00	0.00E+00	0.00E+00	1.49E-08	2.29E-09	0.00E+00	0.00E+00	0.00E+00	2.29E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09
5039	380026.59	3735830.99	1.52E-08	0.00E+00	0.00E+00	0.00E+00	1.52E-08	2.34E-09	0.00E+00	0.00E+00	0.00E+00	2.34E-09	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09
5040	379726.59	3735850.99	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
5041	379746.59	3735850.99	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
5042	379766.59	3735850.99	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
5043	379786.59	3735850.99	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
5044	379806.59	3735850.99	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
5045	379826.59	3735850.99	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
5046	379846.59	3735850.99	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
5047	379866.59	3735850.99	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
5048	379886.59	3735850.99	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
5049	379906.59	3735850.99	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.09E-09	0.00E+00	0.00E+00	0.00E+00	2.09E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
5050	379926.59	3735850.99	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.14E-09	0.00E+00	0.00E+00	0.00E+00	2.14E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
5051	379946.59	3735850.99	1.43E-08	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.20E-09	0.00E+00	0.00E+00	0.00E+00	2.20E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09
5052	379966.59	3735850.99	1.47E-08	0.00E+00	0.00E+00	0.00E+00	1.47E-08	2.27E-09	0.00E+00	0.00E+00	0.00E+00	2.27E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09
5053	379986.59	3735850.99	1.51E-08	0.00E+00	0.00E+00	0.00E+00	1.51E-08	2.33E-09	0.00E+00	0.00E+00	0.00E+00	2.33E-09	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09
5054	380006.59	3735850.99	1.54E-08	0.00E+00	0.00E+00	0.00E+00	1.54E-08	2.38E-09	0.00E+00	0.00E+00	0.00E+00	2.38E-09	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09
5055	380026.59	3735850.99	1.57E-08	0.00E+00	0.00E+00	0.00E+00	1.57E-08	2.42E-09	0.00E+00	0.00E+00	0.00E+00	2.42E-09	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09
5056	379726.59	3735870.99	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
5057	379746.59	3735870.99	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
5058	379766.59	3735870.99	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
5059	379786.59	3735870.99	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
5060	379806.59	3735870.99	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
5061	379826.59	3735870.99	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
5062	379846.59	3735870.99	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
5063	379866.59	3735870.99	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.06E-09	0.00E+00	0.00E+00	0.00E+00	2.06E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
5064	379886.59	3735870.99	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.09E-09	0.00E+00	0.00E+00	0.00E+00	2.09E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
5065	379906.59	3735870.99	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.15E-09	0.00E+00	0.00E+00	0.00E+00	2.15E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
5066	379926.59	3735870.99	1.43E-08	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.21E-09	0.00E+00	0.00E+00	0.00E+00	2.21E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09
5067	379946.59	3735870.99	1.48E-08	0.00E+00	0.00E+00	0.00E+00	1.48E-08	2.28E-09	0.00E+00	0.00E+00	0.00E+00	2.28E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09
5068	379966.59	3735870.99	1.53E-08	0.00E+00	0.00E+00	0.00E+00	1.53E-08	2.36E-09	0.00E+00	0.00E+00	0.00E+00	2.36E-09	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09
5069	379986.59	3735870.99	1.58E-08	0.00E+00	0.00E+00	0.00E+00	1.58E-08	2.43E-09	0.00E+00	0.00E+00	0.00E+00	2.43E-09	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09
5070	380006.59	3735870.99	1.61E-08	0.00E+00	0.00E+00	0.00E+00	1.61E-08	2.48E-09	0.00E+00	0.00E+00	0.00E+00	2.48E-09	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09
5071	379726.59	3735890.99	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
5072	379746.59	3735890.99	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
5073	379766.59	3735890.99	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
5074	379786.59	3735890.99	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
5075	379806.59	3735890.99	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
5076	379826.59	3735890.99	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.03E-09	0.00E+00	0.00E+00	0.00E+00	2.03E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
5077	379846.59	3735890.99	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.07E-09	0.00E+00	0.00E+00	0.00E+00	2.07E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
5078	379866.59	3735890.99	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.11E-09	0.00E+00	0.00E+00	0.00E+00	2.11E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09
5079	379886.59	3735890.99	1.40E-08	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.15E-09	0.00E+00	0.00E+00	0.00E+00	2.15E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
5080	379906.59	3735890.99	1.43E-08	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.21E-09	0.00E+00	0.00E+00	0.00E+00	2.21E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09
5081	379926.59	3735890.99	1.47E-08	0.00E+00	0.00E+00	0.00E+00	1.47E-08	2.27E-09	0.00E+00	0.00E+00	0.00E+00	2.27E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09
5082	379946.59	3735890.99	1.53E-08	0.00E+00	0.00E+00	0.00E+00	1.53E-08	2.35E-09	0.00E+00	0.00E+00	0.00E+00	2.35E-09	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09
5083	379966.59	3735890.99	1.58E-08	0.00E+00	0.00E+00	0.00E+00	1.58E-08	2.43E-09	0.00E+00	0.00E+00	0.00E+00	2.43E-09	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09
5084	379986.59	3735890.99	1.62E-08	0.00E+00	0.00E+00	0.00E+00	1.62E-08	2.49E-09	0.00E+00	0.00E+00	0.00E+00	2.49E-09	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09
5085	380006.59	3735890.99	1.65E-08	0.00E+00	0.00E+00	0.00E+00	1.65E-08	2.54E-09	0.00E+00	0.00E+00	0.00E+00	2.54E-09	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09
5086	379726.59	3735910.99	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
5087	379746.59	3735910.99	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.90E-09	0.00E+00	0.00E+00	0.00E+00	1.90E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
5088	379766.59	3735910.99	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
5089	379786.59	3735910.99	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
5090	379806.59	3735910.99	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.03E-09	0.00E+00	0.00E+00	0.00E+00	2.03E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
5091	379826.59	3735910.99	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.07E-09	0.00E+00	0.00E+00	0.00E+00	2.07E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
5092	379846.59	3735910.99	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.11E-09	0.00E+00	0.00E+00	0.00E+00	2.11E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
5093	379866.59	3735910.99	1.40E-08	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.16E-09	0.00E+00	0.00E+00	0.00E+00	2.16E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
5094	379886.59	3735910.99	1.43E-08	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.21E-09	0.00E+00	0.00E+00	0.00E+00	2.21E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09
5095	379906.59	3735910.99	1.47E-08	0.00E+00	0.00E+00	0.00E+00	1.47E-08	2.26E-09	0.00E+00	0.00E+00	0.00E+00	2.26E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09
5096	379926.59	3735910.99	1.52E-08	0.00E+00	0.00E+00	0.00E+00	1.52E-08	2.34E-09	0.00E+00	0.00E+00	0.00E+00	2.34E-09	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09
5097	379946.59	3735910.99	1.57E-08	0.00E+00	0.00E+00	0.00E+00	1.57E-08	2.41E-09	0.00E+00	0.00E+00	0.00E+00	2.41E-09	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09
5098	379966.59	3735910.99	1.61E-08	0.00E+00	0.00E+00	0.00E+00	1.61E-08	2.49E-09	0.00E+00	0.00E+00	0.00E+00	2.49E-09	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09
5099	379986.59	3735910.99	1.65E-08	0.00E+00	0.00E+00	0.00E+00	1.65E-08	2.55E-09	0.00E+00	0.00E+00	0.00E+00	2.55E-09	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09
5100	380006.59	3735910.99	1.69E-08	0.00E+00	0.00E+00	0.00E+00	1.69E-08	2.60E-09	0.00E+00	0.00E+00	0.00E+00	2.60E-09	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09
5101	379726.59	3735930.99	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
5102	379746.59	3735930.99	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
5103	379766.59	3735930.99	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
5104	379786.59	3735930.99	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
5105	379806.59	3735930.99	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.07E-09	0.00E+00	0.00E+00	0.00E+00	2.07E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
5106	379826.59	3735930.99	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.11E-09	0.00E+00	0.00E+00	0.00E+00	2.11E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09
5107	379846.59	3735930.99	1.40E-08	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.16E-09	0.00E+00	0.00E+00	0.00E+00	2.16E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
5108	379866.59	3735930.99	1.43E-08	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.21E-09	0.00E+00	0.00E+00	0.00E+00	2.21E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09
5109	379886.59	3735930.99	1.46E-08	0.00E+00	0.00E+00	0.00E+00	1.46E-08	2.25E-09	0.00E+00	0.00E+00	0.00E+00	2.25E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09
5110	379906.59	3735930.99	1.50E-08	0.00E+00	0.00E+00	0.00E+00	1.50E-08	2.32E-09	0.00E+00	0.00E+00	0.00E+00	2.32E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09
5111	379926.59	3735930.99	1.55E-08	0.00E+00	0.00E+00	0.00E+00	1.55E-08	2.39E-09	0.00E+00	0.00E+00	0.00E+00	2.39E-09	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09
5112	379946.59	3735930.99	1.60E-08	0.00E+00	0.00E+00	0.00E+00	1.60E-08	2.46E-09	0.00E+00	0.00E+00	0.00E+00	2.46E-09	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09
5113	379966.59	3735930.99	1.64E-08	0.00E+00	0.00E+00	0.00E+00	1.64E-08	2.53E-09	0.00E+00	0.00E+00	0.00E+00	2.53E-09	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09
5114	379986.59	3735930.99	1.68E-08	0.00E+00	0.00E+00	0.00E+00	1.68E-08	2.59E-09	0.00E+00	0.00E+00	0.00E+00	2.59E-09	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09
5115	380006.59	3735930.99	1.72E-08	0.00E+00	0.00E+00	0.00E+00	1.72E-08	2.64E-09	0.00E+00	0.00E+00	0.00E+00	2.64E-09	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09
5116	379726.59	3735950.99	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.90E-09	0.00E+00	0.00E+00	0.00E+00	1.90E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
5117	379746.59	3735950.99	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
5118	379766.59	3735950.99	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
5119	379786.59	3735950.99	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
5120	379806.59	3735950.99	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.10E-09	0.00E+00	0.00E+00	0.00E+00	2.10E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09
5121	379826.59	3735950.99	1.40E-08	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.15E-09	0.00E+00	0.00E+00	0.00E+00	2.15E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
5122	379846.59	3735950.99	1.44E-08	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.21E-09	0.00E+00	0.00E+00	0.00E+00	2.21E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09
5123	379866.59	3735950.99	1.47E-08	0.00E+00	0.00E+00	0.00E+00	1.47E-08	2.26E-09	0.00E+00	0.00E+00	0.00E+00	2.26E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09
5124	379886.59	3735950.99	1.50E-08	0.00E+00	0.00E+00	0.00E+00	1.50E-08	2.32E-09	0.00E+00	0.00E+00	0.00E+00	2.32E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09
5125	379906.59	3735950.99	1.54E-08	0.00E+00	0.00E+00	0.00E+00	1.54E-08	2.38E-09	0.00E+00	0.00E+00	0.00E+00	2.38E-09	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09
5126	379926.59	3735950.99	1.59E-08	0.00E+00	0.00E+00	0.00E+00	1.59E-08	2.44E-09	0.00E+00	0.00E+00	0.00E+00	2.44E-09	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09
5127	379946.59	3735950.99	1.63E-08	0.00E+00	0.00E+00	0.00E+00	1.63E-08	2.51E-09	0.00E+00	0.00E+00	0.00E+00	2.51E-09	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09
5128	379966.59	3735950.99	1.67E-08	0.00E+00	0.00E+00	0.00E+00	1.67E-08	2.58E-09	0.00E+00	0.00E+00	0.00E+00	2.58E-09	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09
5129	379986.59	3735950.99	1.71E-08	0.00E+00	0.00E+00	0.00E+00	1.71E-08	2.64E-09	0.00E+00	0.00E+00	0.00E+00	2.64E-09	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09
5130	380006.59	3735950.99	1.76E-08	0.00E+00	0.00E+00	0.00E+00	1.76E-08	2.71E-09	0.00E+00	0.00E+00	0.00E+00	2.71E-09	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09
5131	379726.59	3735970.99	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
5132	379746.59	3735970.99	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
5133	379766.59	3735970.99	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.03E-09	0.00E+00	0.00E+00	0.00E+00	2.03E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
5134	379786.59	3735970.99	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.09E-09	0.00E+00	0.00E+00	0.00E+00	2.09E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
5135	379806.59	3735970.99	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.14E-09	0.00E+00	0.00E+00	0.00E+00	2.14E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09
5136	379826.59	3735970.99	1.43E-08	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.20E-09	0.00E+00	0.00E+00	0.00E+00	2.20E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09
5137	379846.59	3735970.99	1.47E-08	0.00E+00	0.00E+00	0.00E+00	1.47E-08	2.26E-09	0.00E+00	0.00E+00	0.00E+00	2.26E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09
5138	379866.59	3735970.99	1.50E-08	0.00E+00	0.00E+00	0.00E+00	1.50E-08	2.32E-09	0.00E+00	0.00E+00	0.00E+00	2.32E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09
5139	379886.59	3735970.99	1.54E-08	0.00E+00	0.00E+00	0.00E+00	1.54E-08	2.37E-09	0.00E+00	0.00E+00	0.00E+00	2.37E-09	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09
5140	379906.59	3735970.99	1.58E-08	0.00E+00	0.00E+00	0.00E+00	1.58E-08	2.43E-09	0.00E+00	0.00E+00	0.00E+00	2.43E-09	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09
5141	379926.59	3735970.99	1.62E-08	0.00E+00	0.00E+00	0.00E+00	1.62E-08	2.49E-09	0.00E+00	0.00E+00	0.00E+00	2.49E-09	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09

5142	379946.59	3735970.99	1.66E-08	0.00E+00	0.00E+00	0.00E+00	1.66E-08	2.56E-09	0.00E+00	0.00E+00	0.00E+00	2.56E-09	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09
5143	379966.59	3735970.99	1.70E-08	0.00E+00	0.00E+00	0.00E+00	1.70E-08	2.63E-09	0.00E+00	0.00E+00	0.00E+00	2.63E-09	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09
5144	379986.59	3735970.99	1.75E-08	0.00E+00	0.00E+00	0.00E+00	1.75E-08	2.70E-09	0.00E+00	0.00E+00	0.00E+00	2.70E-09	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09
5145	380006.59	3735970.99	1.81E-08	0.00E+00	0.00E+00	0.00E+00	1.81E-08	2.78E-09	0.00E+00	0.00E+00	0.00E+00	2.78E-09	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09
5146	379726.59	3735990.99	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
5147	379746.59	3735990.99	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.03E-09	0.00E+00	0.00E+00	0.00E+00	2.03E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
5148	379766.59	3735990.99	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.07E-09	0.00E+00	0.00E+00	0.00E+00	2.07E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
5149	379786.59	3735990.99	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.12E-09	0.00E+00	0.00E+00	0.00E+00	2.12E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
5150	379806.59	3735990.99	1.41E-08	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.18E-09	0.00E+00	0.00E+00	0.00E+00	2.18E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09
5151	379826.59	3735990.99	1.45E-08	0.00E+00	0.00E+00	0.00E+00	1.45E-08	2.24E-09	0.00E+00	0.00E+00	0.00E+00	2.24E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09
5152	379846.59	3735990.99	1.49E-08	0.00E+00	0.00E+00	0.00E+00	1.49E-08	2.30E-09	0.00E+00	0.00E+00	0.00E+00	2.30E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09
5153	379866.59	3735990.99	1.54E-08	0.00E+00	0.00E+00	0.00E+00	1.54E-08	2.37E-09	0.00E+00	0.00E+00	0.00E+00	2.37E-09	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09
5154	379886.59	3735990.99	1.57E-08	0.00E+00	0.00E+00	0.00E+00	1.57E-08	2.42E-09	0.00E+00	0.00E+00	0.00E+00	2.42E-09	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09
5155	379906.59	3735990.99	1.61E-08	0.00E+00	0.00E+00	0.00E+00	1.61E-08	2.48E-09	0.00E+00	0.00E+00	0.00E+00	2.48E-09	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09
5156	379926.59	3735990.99	1.65E-08	0.00E+00	0.00E+00	0.00E+00	1.65E-08	2.54E-09	0.00E+00	0.00E+00	0.00E+00	2.54E-09	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09
5157	379946.59	3735990.99	1.69E-08	0.00E+00	0.00E+00	0.00E+00	1.69E-08	2.61E-09	0.00E+00	0.00E+00	0.00E+00	2.61E-09	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09
5158	379966.59	3735990.99	1.74E-08	0.00E+00	0.00E+00	0.00E+00	1.74E-08	2.68E-09	0.00E+00	0.00E+00	0.00E+00	2.68E-09	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09
5159	379986.59	3735990.99	1.80E-08	0.00E+00	0.00E+00	0.00E+00	1.80E-08	2.77E-09	0.00E+00	0.00E+00	0.00E+00	2.77E-09	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09
5160	380006.59	3735990.99	1.85E-08	0.00E+00	0.00E+00	0.00E+00	1.85E-08	2.86E-09	0.00E+00	0.00E+00	0.00E+00	2.86E-09	1.90E-09	0.00E+00	0.00E+00	0.00E+00	1.90E-09
5161	379726.59	3736010.99	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.03E-09	0.00E+00	0.00E+00	0.00E+00	2.03E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
5162	379746.59	3736010.99	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.08E-09	0.00E+00	0.00E+00	0.00E+00	2.08E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
5163	379766.59	3736010.99	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.13E-09	0.00E+00	0.00E+00	0.00E+00	2.13E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09
5164	379786.59	3736010.99	1.41E-08	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.18E-09	0.00E+00	0.00E+00	0.00E+00	2.18E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09
5165	379806.59	3736010.99	1.45E-08	0.00E+00	0.00E+00	0.00E+00	1.45E-08	2.23E-09	0.00E+00	0.00E+00	0.00E+00	2.23E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09
5166	379826.59	3736010.99	1.49E-08	0.00E+00	0.00E+00	0.00E+00	1.49E-08	2.29E-09	0.00E+00	0.00E+00	0.00E+00	2.29E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09
5167	379846.59	3736010.99	1.52E-08	0.00E+00	0.00E+00	0.00E+00	1.52E-08	2.35E-09	0.00E+00	0.00E+00	0.00E+00	2.35E-09	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09
5168	379866.59	3736010.99	1.56E-08	0.00E+00	0.00E+00	0.00E+00	1.56E-08	2.41E-09	0.00E+00	0.00E+00	0.00E+00	2.41E-09	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09
5169	379886.59	3736010.99	1.60E-08	0.00E+00	0.00E+00	0.00E+00	1.60E-08	2.47E-09	0.00E+00	0.00E+00	0.00E+00	2.47E-09	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09
5170	379906.59	3736010.99	1.64E-08	0.00E+00	0.00E+00	0.00E+00	1.64E-08	2.53E-09	0.00E+00	0.00E+00	0.00E+00	2.53E-09	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09
5171	379926.59	3736010.99	1.69E-08	0.00E+00	0.00E+00	0.00E+00	1.69E-08	2.60E-09	0.00E+00	0.00E+00	0.00E+00	2.60E-09	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09
5172	379946.59	3736010.99	1.73E-08	0.00E+00	0.00E+00	0.00E+00	1.73E-08	2.67E-09	0.00E+00	0.00E+00	0.00E+00	2.67E-09	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09
5173	379966.59	3736010.99	1.79E-08	0.00E+00	0.00E+00	0.00E+00	1.79E-08	2.75E-09	0.00E+00	0.00E+00	0.00E+00	2.75E-09	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09
5174	379986.59	3736010.99	1.84E-08	0.00E+00	0.00E+00	0.00E+00	1.84E-08	2.84E-09	0.00E+00	0.00E+00	0.00E+00	2.84E-09	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09
5175	380006.59	3736010.99	1.89E-08	0.00E+00	0.00E+00	0.00E+00	1.89E-08	2.92E-09	0.00E+00	0.00E+00	0.00E+00	2.92E-09	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09
5176	379726.59	3736030.99	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.08E-09	0.00E+00	0.00E+00	0.00E+00	2.08E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
5177	379746.59	3736030.99	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.13E-09	0.00E+00	0.00E+00	0.00E+00	2.13E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
5178	379766.59	3736030.99	1.41E-08	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.18E-09	0.00E+00	0.00E+00	0.00E+00	2.18E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09
5179	379786.59	3736030.99	1.44E-08	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.22E-09	0.00E+00	0.00E+00	0.00E+00	2.22E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09
5180	379806.59	3736030.99	1.48E-08	0.00E+00	0.00E+00	0.00E+00	1.48E-08	2.27E-09	0.00E+00	0.00E+00	0.00E+00	2.27E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09
5181	379826.59	3736030.99	1.51E-08	0.00E+00	0.00E+00	0.00E+00	1.51E-08	2.33E-09	0.00E+00	0.00E+00	0.00E+00	2.33E-09	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09
5182	379846.59	3736030.99	1.55E-08	0.00E+00	0.00E+00	0.00E+00	1.55E-08	2.39E-09	0.00E+00	0.00E+00	0.00E+00	2.39E-09	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09
5183	379866.59	3736030.99	1.59E-08	0.00E+00	0.00E+00	0.00E+00	1.59E-08	2.45E-09	0.00E+00	0.00E+00	0.00E+00	2.45E-09	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09
5184	379886.59	3736030.99	1.63E-08	0.00E+00	0.00E+00	0.00E+00	1.63E-08	2.51E-09	0.00E+00	0.00E+00	0.00E+00	2.51E-09	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09
5185	379906.59	3736030.99	1.67E-08	0.00E+00	0.00E+00	0.00E+00	1.67E-08	2.58E-09	0.00E+00	0.00E+00	0.00E+00	2.58E-09	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09
5186	379926.59	3736030.99	1.72E-08	0.00E+00	0.00E+00	0.00E+00	1.72E-08	2.65E-09	0.00E+00	0.00E+00	0.00E+00	2.65E-09	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09
5187	379946.59	3736030.99	1.77E-08	0.00E+00	0.00E+00	0.00E+00	1.77E-08	2.72E-09	0.00E+00	0.00E+00	0.00E+00	2.72E-09	1.81E-09	0.00E+00	0.00E+00	0.00E+00	1.81E-09
5188	379966.59	3736030.99	1.83E-08	0.00E+00	0.00E+00	0.00E+00	1.83E-08	2.81E-09	0.00E+00	0.00E+00	0.00E+00	2.81E-09	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09
5189	379986.59	3736030.99	1.88E-08	0.00E+00	0.00E+00	0.00E+00	1.88E-08	2.90E-09	0.00E+00	0.00E+00	0.00E+00	2.90E-09	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09
5190	380006.59	3736030.99	1.94E-08	0.00E+00	0.00E+00	0.00E+00	1.94E-08	2.98E-09	0.00E+00	0.00E+00	0.00E+00	2.98E-09	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09
5191	379726.59	3736050.99	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.11E-09	0.00E+00	0.00E+00	0.00E+00	2.11E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09
5192	379746.59	3736050.99	1.40E-08	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.16E-09	0.00E+00	0.00E+00	0.00E+00	2.16E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09
5193	379766.59	3736050.99	1.44E-08	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.21E-09	0.00E+00	0.00E+00	0.00E+00	2.21E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09
5194	379786.59	3736050.99	1.47E-08	0.00E+00	0.00E+00	0.00E+00	1.47E-08	2.26E-09	0.00E+00	0.00E+00	0.00E+00	2.26E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09
5195	379806.59	3736050.99	1.50E-08	0.00E+00	0.00E+00	0.00E+00	1.50E-08	2.31E-09	0.00E+00	0.00E+00	0.00E+00	2.31E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09
5196	379826.59	3736050.99	1.54E-08	0.00E+00	0.00E+00	0.00E+00	1.54E-08	2.37E-09	0.00E+00	0.00E+00	0.00E+00	2.37E-09	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09
5197	379846.59	3736050.99	1.58E-08	0.00E+00	0.00E+00	0.00E+00	1.58E-08	2.43E-09	0.00E+00	0.00E+00	0.00E+00	2.43E-09	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09
5198	379866.59	3736050.99	1.62E-08	0.00E+00	0.00E+00	0.00E+00	1.62E-08	2.49E-09	0.00E+00	0.00E+00	0.00E+00	2.49E-09	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09
5199	379886.59	3736050.99	1.66E-08	0.00E+00	0.00E+00	0.00E+00	1.66E-08	2.56E-09	0.00E+00	0.00E+00	0.00E+00	2.56E-09	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09
5200	379906.59	3736050.99	1.70E-08	0.00E+00	0.00E+00	0.00E+00	1.70E-08	2.63E-09	0.00E+00	0.00E+00	0.00E+00	2.63E-09	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09
5201	379926.59	3736050.99	1.75E-08	0.00E+00	0.00E+00	0.00E+00	1.75E-08	2.70E-09	0.00E+00	0.00E+00	0.00E+00	2.70E-09	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09
5202	379946.59	3736050.99	1.80E-08	0.00E+00	0.00E+00	0.00E+00	1.80E-08	2.77E-09	0.00E+00	0.00E+00	0.00E+00	2.77E-09	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09
5203	379966.59	3736050.99	1.86E-08	0.00E+00	0.00E+00	0.00E+00	1.86E-08	2.87E-09	0.00E+00	0.00E+00	0.00E+00	2.87E-09	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09
5204	379986.59	3736050.99	1.92E-08	0.00E+00	0.00E+00	0.00E+00	1.92E-08	2.96E-09	0.00E+00	0.00E+00	0.00E+00	2.96E-09	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09
5205	380006.59	3736050.99	1.98E-08	0.00E+00	0.00E+00	0.00E+00	1.98E-08	3.05E-09	0.00E+00	0.00E+00	0.00E+00	3.05E-09	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09
5206	380026.59	3736050.99	2.04E-08	0.00E+00	0.00E+00	0.00E+00	2.04E-08	3.14E-09	0.00E+00	0.00E+00	0.00E+00	3.14E-09	2.09E-09	0.00E+00	0.00E+00	0.00E+00	2.09E-09
5207	380046.59	3736050.99	2.11E-08	0.00E+00	0.00E+00	0.00E+00	2.11E-08	3.25E-09	0.00E+00	0.00E+00	0.00E+00	3.25E-09	2.16E-09	0.00E+00	0.00E+00	0.00E+00	2.16E-09
5208	379726.59	3736070.99	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.13E-09	0.00E+00	0.00E+00	0.00E+00	2.13E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
5209	379746.59	3736070.99	1.42E-08	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.19E-09	0.00E+00	0.00E+00	0.00E+00	2.19E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09
5210	379766.59	3736070.99	1.45E-08	0.00E+00	0.00E+00	0.00E+00	1.45E-08	2.24E-09	0.00E+00	0.00E+00	0.00E+00	2.24E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09
5211	379786.59	3736070.99	1.49E-08	0.00E+00	0.00E+00	0.00E+00	1.49E-08	2.29E-09	0.00E+00	0.00E+00	0.00E+00	2.29E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09
5212	379806.59	3736070.99	1.52E-08	0.00E+00	0.00E+00	0.00E+00	1.52E-08	2.35E-09	0.00E+00	0.00E+00	0.00E+00	2.35E-09	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09
5213	379826.59	3736070.99	1.56E-08	0.00E+00	0.00E+00	0.00E+00	1.56E-08	2.41E-09	0.00E+00	0.00E+00	0.00E+00	2.41E-09	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09
5214	379846.59	3736070.99	1.60E-08	0.00E+00	0.00E+00	0.00E+00	1.60E-08	2.47E-09	0.00E+00	0.00E+00	0.00E+00	2.47E-09	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09
5215	379866.59	3736070.99	1.64E-08	0.00E+00	0.00E+00	0.00E+00	1.64E-08	2.53E-09	0.00E+00	0.00E+00	0.00E+00	2.53E-09	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09
5216	379886.59	3736070.99	1.69E-08	0.00E+00	0.00E+00	0.00E+00	1.69E-08	2.60E-09	0.00E+00	0.00E+00	0.00E+00	2.60E-09	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09
5217	379906.59	3736070.99	1.73E-08	0.00E+00	0.00E+00	0.00E+00	1.73E-08	2.67E-09	0.00E+00	0.00E+00	0.00E+00	2.67E-09	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09
5218	379926.59	3736070.99	1.78E-08	0.00E+00	0.00E+00	0.00E+00	1.78E-08	2.75E-09	0.00E+00	0.00E+00	0.00E+00	2.75E-09	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09
5219	379946.59	3736070.99	1.83E-08	0.00E+00	0.00E+00	0.00E+00	1.83E-08	2.83E-09	0.00E+00	0.00E+00	0.00E+00	2.83E-09	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09
5220	379966.59	3736070.99	1.90E-08	0.00E+00	0.00E+00	0.00E+00	1.90E-08	2.92E-09	0.00E+00	0.00E+00	0.00E+00	2.92E-09	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09
5221	379986.59	3736070.99	1.96E-08	0.00E+00	0.00E+00	0.00E+00	1.96E-08	3.01E-09	0.00E+00	0.00E+00	0.00E+00	3.01E-09	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09
5222	380006.59	3736070.99	2.02E-08	0.00E+00	0.00E+00	0.00E+00	2.02E-08	3.11E-09	0.00E+00	0.00E+00	0.00E+00	3.11E-09	2.07E-09	0.00E+00	0.00E+00	0.00E+00	2.07E-09
5223	380026.59	3736070.99	2.08E-08	0.00E+00	0.00E+00	0.00E+00	2.08E-08	3.21E-09	0.00E+00	0.00E+00	0.00E+00	3.21E-09	2.14E-09	0.00E+00	0.00E+00	0.00E+00	2.14E-09
5224	380046.59	3736070.99	2.16E-08	0.00E+00	0.00E+00	0.00E+00	2.16E-08	3.32E-09	0.00E+00	0.00E+00	0.00E+00	3.32E-09	2.21E-09	0.00E+00	0.00E+00	0.00E+00	2.21E-09
5225	380066.59	3736070.99	2.23E-08	0.00E+00	0.00E+00	0.00E+00	2.23E-08	3.44E-09	0.00E+00	0.00E+00	0.00E+00	3.44E-09	2.29E-09	0.00E+00	0.00E+00	0.00E+00	2.29E-09
5226	380086.59	3736070.99	2.31E-08	0.00E+00	0.00E+00	0.00E+00	2.31E-08	3.56E-09	0.00E+00	0.00E+00	0.00E+00	3.56E-09	2.37E-09	0.00E+00	0.00E+00	0.00E+00	2.37E-09
5227	379726.59	3736090.99	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.14E-09	0.00E+00	0.00E+00	0.00E+00	2.14E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
5228	379746.59	3736090.99	1.43E-08	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.20E-09	0.00E+00	0.00E+00	0.00E+00	2.20E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09
5229	379766.59	3736090.99	1.47E-08	0.00E+00	0.00E+00	0.00E+00	1.47E-08	2.26E-09	0.00E+00	0.00E+00	0.00E+00	2.26E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09
5230	379786.59	3736090.99	1.50E-08	0.00E+00	0.00E+00	0.00E+00	1.50E-08	2.32E-09	0.00E+00	0.00E+00	0.00E+00	2.32E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09
5231	379806.59	3736090.99	1.54E-08	0.00E+00	0.00E+00	0.00E+00	1.54E-08	2.38E-09	0.00E+00	0.00E+00	0.00E+00	2.38E-09	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09
5232	379826.59	3736090.99	1.59E-08	0.00E+00	0.00E+00	0.00E+00	1.59E-08	2.45E-09	0.00E+00	0.00E+00	0.00E+00	2.45E-09	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09
5233	379846.59	3736090.99	1.63E-08	0.00E+00	0.00E+00	0.00E+00	1.63E-08	2.51E-09	0.00E+00	0.00E+00	0.00E+00	2.51E-09	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09
5234	379866.59	3736090.99	1.67E-08	0.00E+00	0.00E+00	0.00E+00	1.67E-08	2.57E-09	0.00E+00	0.00E+00	0.00E+00	2.57E-09	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09
5235	379886.59	3736090.99	1.71E-08	0.00E+00	0.00E+00	0.00E+00	1.71E-08	2.64E-09	0.00E+00	0.00E+00	0.00E+00	2.64E-09	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09
5236	379906.59	3736090.99	1.76E-08	0.00E+00	0.00E+00	0.00E+00	1.76E-08	2.72E-09	0.00E+00	0.00E+00	0.00E+00	2.72E-09	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09
5237	379926.59	3736090.99	1.81E-08	0.00E+00	0.00E+00	0.00E+00	1.81E-08	2.79E-09	0.00E+00	0.00E+00	0.00E+00	2.79E-09	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09
5238	379946.59	3736090.99	1.87E-08	0.00E+00	0.00E+00	0.00E+00	1.87E-08	2.88E-09	0.00E+00	0.00E+00	0.00E+00	2.88E-09	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09
5239	379966.59	3736090.99	1.93E-08	0.00E+00	0.00E+00	0.00E+00	1.93E-08	2.98E-09	0.00E+00	0.00E+00	0.00E+00	2.98E-09	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09
5240	379986.59	3736090.99	1.99E-08	0.00E+00	0.00E+00	0.00E+00	1.99E-08	3.07E-09	0.00E+00	0.00E+00	0.00E+00	3.07E-09	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09
5241	380006.59	3736090.99	2.06E-08	0.00E+00	0.00E+00	0.00E+00	2.06E-08	3.17E-09	0.00E+00	0.00E+00	0.00E+00	3.17E-09	2.11E-09	0.00E+00	0.00E+00	0.00E+00	2.11E-09
5242	380026.59	3736090.99	2.13E-08	0.00E+00	0.00E+00	0.00E+00	2.13E-08	3.28E-09	0.00E+00	0.00E+00	0.00E+00	3.28E-09	2.18E-09	0.00E+00	0.00E+00	0.00E+00	2.18E-09
5243	380046.59	3736090.99	2.20E-08	0.00E+00	0.00E+00	0.00E+00	2.20E-08	3.40E-09	0.00E+00	0.00E+00	0.00E+00	3.40E-09	2.26E-09	0.00E+00	0.00E+00	0.00E+00	2.26E-09
5244	380066.59	3736090.99	2.28E-08	0.00E+00	0.00E+00	0.00E+00	2.28E-08	3.52E-09	0.00E+00	0.00E+00	0.00E+00	3.52E-09	2.34E-09	0.00E+00	0.00E+00	0.00E+00	2.34E-09
5245	380086.59	3736090.99	2.37E-08	0.00E+00	0.00E+00	0.00E+00	2.37E-08	3.65E-09	0.00E+00	0.00E+00	0.00E+00	3.65E-09	2.42E-09	0.00E+00	0.00E+00	0.00E+00	2.42E-09
5246	379726.59	3736110.99	1.40E-08	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.16E-09	0.00E+00	0.00E+00	0.00E+00	2.16E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09

5247	379746.59	3736110.99	1.44E-08	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.22E-09	0.00E+00	0.00E+00	0.00E+00	2.22E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09
5248	379766.59	3736110.99	1.48E-08	0.00E+00	0.00E+00	0.00E+00	1.48E-08	2.28E-09	0.00E+00	0.00E+00	0.00E+00	2.28E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09
5249	379786.59	3736110.99	1.52E-08	0.00E+00	0.00E+00	0.00E+00	1.52E-08	2.34E-09	0.00E+00	0.00E+00	0.00E+00	2.34E-09	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09
5250	379806.59	3736110.99	1.56E-08	0.00E+00	0.00E+00	0.00E+00	1.56E-08	2.41E-09	0.00E+00	0.00E+00	0.00E+00	2.41E-09	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09
5251	379826.59	3736110.99	1.61E-08	0.00E+00	0.00E+00	0.00E+00	1.61E-08	2.48E-09	0.00E+00	0.00E+00	0.00E+00	2.48E-09	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09
5252	379846.59	3736110.99	1.65E-08	0.00E+00	0.00E+00	0.00E+00	1.65E-08	2.54E-09	0.00E+00	0.00E+00	0.00E+00	2.54E-09	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09
5253	379866.59	3736110.99	1.69E-08	0.00E+00	0.00E+00	0.00E+00	1.69E-08	2.61E-09	0.00E+00	0.00E+00	0.00E+00	2.61E-09	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09
5254	379886.59	3736110.99	1.74E-08	0.00E+00	0.00E+00	0.00E+00	1.74E-08	2.68E-09	0.00E+00	0.00E+00	0.00E+00	2.68E-09	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09
5255	379906.59	3736110.99	1.79E-08	0.00E+00	0.00E+00	0.00E+00	1.79E-08	2.76E-09	0.00E+00	0.00E+00	0.00E+00	2.76E-09	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09
5256	379926.59	3736110.99	1.84E-08	0.00E+00	0.00E+00	0.00E+00	1.84E-08	2.84E-09	0.00E+00	0.00E+00	0.00E+00	2.84E-09	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09
5257	379946.59	3736110.99	1.90E-08	0.00E+00	0.00E+00	0.00E+00	1.90E-08	2.93E-09	0.00E+00	0.00E+00	0.00E+00	2.93E-09	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09
5258	379966.59	3736110.99	1.97E-08	0.00E+00	0.00E+00	0.00E+00	1.97E-08	3.03E-09	0.00E+00	0.00E+00	0.00E+00	3.03E-09	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09
5259	379986.59	3736110.99	2.03E-08	0.00E+00	0.00E+00	0.00E+00	2.03E-08	3.13E-09	0.00E+00	0.00E+00	0.00E+00	3.13E-09	2.08E-09	0.00E+00	0.00E+00	0.00E+00	2.08E-09
5260	380006.59	3736110.99	2.10E-08	0.00E+00	0.00E+00	0.00E+00	2.10E-08	3.24E-09	0.00E+00	0.00E+00	0.00E+00	3.24E-09	2.15E-09	0.00E+00	0.00E+00	0.00E+00	2.15E-09
5261	380026.59	3736110.99	2.17E-08	0.00E+00	0.00E+00	0.00E+00	2.17E-08	3.35E-09	0.00E+00	0.00E+00	0.00E+00	3.35E-09	2.22E-09	0.00E+00	0.00E+00	0.00E+00	2.22E-09
5262	380046.59	3736110.99	2.25E-08	0.00E+00	0.00E+00	0.00E+00	2.25E-08	3.47E-09	0.00E+00	0.00E+00	0.00E+00	3.47E-09	2.30E-09	0.00E+00	0.00E+00	0.00E+00	2.30E-09
5263	380066.59	3736110.99	2.33E-08	0.00E+00	0.00E+00	0.00E+00	2.33E-08	3.59E-09	0.00E+00	0.00E+00	0.00E+00	3.59E-09	2.39E-09	0.00E+00	0.00E+00	0.00E+00	2.39E-09
5264	380086.59	3736110.99	2.42E-08	0.00E+00	0.00E+00	0.00E+00	2.42E-08	3.73E-09	0.00E+00	0.00E+00	0.00E+00	3.73E-09	2.48E-09	0.00E+00	0.00E+00	0.00E+00	2.48E-09
5265	379726.59	3736130.99	1.41E-08	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.17E-09	0.00E+00	0.00E+00	0.00E+00	2.17E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09
5266	379746.59	3736130.99	1.45E-08	0.00E+00	0.00E+00	0.00E+00	1.45E-08	2.23E-09	0.00E+00	0.00E+00	0.00E+00	2.23E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09
5267	379766.59	3736130.99	1.49E-08	0.00E+00	0.00E+00	0.00E+00	1.49E-08	2.30E-09	0.00E+00	0.00E+00	0.00E+00	2.30E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09
5268	379786.59	3736130.99	1.53E-08	0.00E+00	0.00E+00	0.00E+00	1.53E-08	2.36E-09	0.00E+00	0.00E+00	0.00E+00	2.36E-09	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09
5269	379806.59	3736130.99	1.58E-08	0.00E+00	0.00E+00	0.00E+00	1.58E-08	2.43E-09	0.00E+00	0.00E+00	0.00E+00	2.43E-09	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09
5270	379826.59	3736130.99	1.62E-08	0.00E+00	0.00E+00	0.00E+00	1.62E-08	2.50E-09	0.00E+00	0.00E+00	0.00E+00	2.50E-09	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09
5271	379846.59	3736130.99	1.67E-08	0.00E+00	0.00E+00	0.00E+00	1.67E-08	2.57E-09	0.00E+00	0.00E+00	0.00E+00	2.57E-09	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09
5272	379866.59	3736130.99	1.71E-08	0.00E+00	0.00E+00	0.00E+00	1.71E-08	2.64E-09	0.00E+00	0.00E+00	0.00E+00	2.64E-09	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09
5273	379886.59	3736130.99	1.76E-08	0.00E+00	0.00E+00	0.00E+00	1.76E-08	2.71E-09	0.00E+00	0.00E+00	0.00E+00	2.71E-09	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09
5274	379906.59	3736130.99	1.81E-08	0.00E+00	0.00E+00	0.00E+00	1.81E-08	2.79E-09	0.00E+00	0.00E+00	0.00E+00	2.79E-09	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09
5275	379926.59	3736130.99	1.87E-08	0.00E+00	0.00E+00	0.00E+00	1.87E-08	2.88E-09	0.00E+00	0.00E+00	0.00E+00	2.88E-09	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09
5276	379946.59	3736130.99	1.93E-08	0.00E+00	0.00E+00	0.00E+00	1.93E-08	2.97E-09	0.00E+00	0.00E+00	0.00E+00	2.97E-09	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09
5277	379966.59	3736130.99	2.00E-08	0.00E+00	0.00E+00	0.00E+00	2.00E-08	3.08E-09	0.00E+00	0.00E+00	0.00E+00	3.08E-09	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09
5278	379986.59	3736130.99	2.07E-08	0.00E+00	0.00E+00	0.00E+00	2.07E-08	3.18E-09	0.00E+00	0.00E+00	0.00E+00	3.18E-09	2.12E-09	0.00E+00	0.00E+00	0.00E+00	2.12E-09
5279	380006.59	3736130.99	2.14E-08	0.00E+00	0.00E+00	0.00E+00	2.14E-08	3.29E-09	0.00E+00	0.00E+00	0.00E+00	3.29E-09	2.19E-09	0.00E+00	0.00E+00	0.00E+00	2.19E-09
5280	380026.59	3736130.99	2.21E-08	0.00E+00	0.00E+00	0.00E+00	2.21E-08	3.41E-09	0.00E+00	0.00E+00	0.00E+00	3.41E-09	2.27E-09	0.00E+00	0.00E+00	0.00E+00	2.27E-09
5281	380046.59	3736130.99	2.29E-08	0.00E+00	0.00E+00	0.00E+00	2.29E-08	3.54E-09	0.00E+00	0.00E+00	0.00E+00	3.54E-09	2.35E-09	0.00E+00	0.00E+00	0.00E+00	2.35E-09
5282	380066.59	3736130.99	2.38E-08	0.00E+00	0.00E+00	0.00E+00	2.38E-08	3.67E-09	0.00E+00	0.00E+00	0.00E+00	3.67E-09	2.44E-09	0.00E+00	0.00E+00	0.00E+00	2.44E-09
5283	380086.59	3736130.99	2.47E-08	0.00E+00	0.00E+00	0.00E+00	2.47E-08	3.81E-09	0.00E+00	0.00E+00	0.00E+00	3.81E-09	2.53E-09	0.00E+00	0.00E+00	0.00E+00	2.53E-09
5284	379726.59	3736150.99	1.42E-08	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.19E-09	0.00E+00	0.00E+00	0.00E+00	2.19E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09
5285	379746.59	3736150.99	1.46E-08	0.00E+00	0.00E+00	0.00E+00	1.46E-08	2.25E-09	0.00E+00	0.00E+00	0.00E+00	2.25E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09
5286	379766.59	3736150.99	1.50E-08	0.00E+00	0.00E+00	0.00E+00	1.50E-08	2.31E-09	0.00E+00	0.00E+00	0.00E+00	2.31E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09
5287	379786.59	3736150.99	1.55E-08	0.00E+00	0.00E+00	0.00E+00	1.55E-08	2.38E-09	0.00E+00	0.00E+00	0.00E+00	2.38E-09	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09
5288	379806.59	3736150.99	1.59E-08	0.00E+00	0.00E+00	0.00E+00	1.59E-08	2.45E-09	0.00E+00	0.00E+00	0.00E+00	2.45E-09	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09
5289	379826.59	3736150.99	1.64E-08	0.00E+00	0.00E+00	0.00E+00	1.64E-08	2.53E-09	0.00E+00	0.00E+00	0.00E+00	2.53E-09	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09
5290	379846.59	3736150.99	1.68E-08	0.00E+00	0.00E+00	0.00E+00	1.68E-08	2.59E-09	0.00E+00	0.00E+00	0.00E+00	2.59E-09	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09
5291	379866.59	3736150.99	1.73E-08	0.00E+00	0.00E+00	0.00E+00	1.73E-08	2.66E-09	0.00E+00	0.00E+00	0.00E+00	2.66E-09	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09
5292	379886.59	3736150.99	1.78E-08	0.00E+00	0.00E+00	0.00E+00	1.78E-08	2.74E-09	0.00E+00	0.00E+00	0.00E+00	2.74E-09	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09
5293	379906.59	3736150.99	1.84E-08	0.00E+00	0.00E+00	0.00E+00	1.84E-08	2.83E-09	0.00E+00	0.00E+00	0.00E+00	2.83E-09	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09
5294	379926.59	3736150.99	1.90E-08	0.00E+00	0.00E+00	0.00E+00	1.90E-08	2.93E-09	0.00E+00	0.00E+00	0.00E+00	2.93E-09	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09
5295	379946.59	3736150.99	1.96E-08	0.00E+00	0.00E+00	0.00E+00	1.96E-08	3.02E-09	0.00E+00	0.00E+00	0.00E+00	3.02E-09	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09
5296	379966.59	3736150.99	2.03E-08	0.00E+00	0.00E+00	0.00E+00	2.03E-08	3.13E-09	0.00E+00	0.00E+00	0.00E+00	3.13E-09	2.08E-09	0.00E+00	0.00E+00	0.00E+00	2.08E-09
5297	379986.59	3736150.99	2.10E-08	0.00E+00	0.00E+00	0.00E+00	2.10E-08	3.24E-09	0.00E+00	0.00E+00	0.00E+00	3.24E-09	2.15E-09	0.00E+00	0.00E+00	0.00E+00	2.15E-09
5298	380006.59	3736150.99	2.17E-08	0.00E+00	0.00E+00	0.00E+00	2.17E-08	3.35E-09	0.00E+00	0.00E+00	0.00E+00	3.35E-09	2.23E-09	0.00E+00	0.00E+00	0.00E+00	2.23E-09
5299	380026.59	3736150.99	2.25E-08	0.00E+00	0.00E+00	0.00E+00	2.25E-08	3.47E-09	0.00E+00	0.00E+00	0.00E+00	3.47E-09	2.31E-09	0.00E+00	0.00E+00	0.00E+00	2.31E-09
5300	380046.59	3736150.99	2.34E-08	0.00E+00	0.00E+00	0.00E+00	2.34E-08	3.60E-09	0.00E+00	0.00E+00	0.00E+00	3.60E-09	2.39E-09	0.00E+00	0.00E+00	0.00E+00	2.39E-09
5301	380066.59	3736150.99	2.43E-08	0.00E+00	0.00E+00	0.00E+00	2.43E-08	3.74E-09	0.00E+00	0.00E+00	0.00E+00	3.74E-09	2.49E-09	0.00E+00	0.00E+00	0.00E+00	2.49E-09
5302	380086.59	3736150.99	2.52E-08	0.00E+00	0.00E+00	0.00E+00	2.52E-08	3.89E-09	0.00E+00	0.00E+00	0.00E+00	3.89E-09	2.59E-09	0.00E+00	0.00E+00	0.00E+00	2.59E-09
5303	379726.59	3736170.99	1.43E-08	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.21E-09	0.00E+00	0.00E+00	0.00E+00	2.21E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09
5304	379746.59	3736170.99	1.47E-08	0.00E+00	0.00E+00	0.00E+00	1.47E-08	2.27E-09	0.00E+00	0.00E+00	0.00E+00	2.27E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09
5305	379766.59	3736170.99	1.51E-08	0.00E+00	0.00E+00	0.00E+00	1.51E-08	2.33E-09	0.00E+00	0.00E+00	0.00E+00	2.33E-09	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09
5306	379786.59	3736170.99	1.56E-08	0.00E+00	0.00E+00	0.00E+00	1.56E-08	2.40E-09	0.00E+00	0.00E+00	0.00E+00	2.40E-09	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09
5307	379806.59	3736170.99	1.61E-08	0.00E+00	0.00E+00	0.00E+00	1.61E-08	2.47E-09	0.00E+00	0.00E+00	0.00E+00	2.47E-09	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09
5308	379826.59	3736170.99	1.65E-08	0.00E+00	0.00E+00	0.00E+00	1.65E-08	2.55E-09	0.00E+00	0.00E+00	0.00E+00	2.55E-09	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09
5309	379846.59	3736170.99	1.70E-08	0.00E+00	0.00E+00	0.00E+00	1.70E-08	2.61E-09	0.00E+00	0.00E+00	0.00E+00	2.61E-09	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09
5310	379866.59	3736170.99	1.74E-08	0.00E+00	0.00E+00	0.00E+00	1.74E-08	2.69E-09	0.00E+00	0.00E+00	0.00E+00	2.69E-09	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09
5311	379886.59	3736170.99	1.80E-08	0.00E+00	0.00E+00	0.00E+00	1.80E-08	2.77E-09	0.00E+00	0.00E+00	0.00E+00	2.77E-09	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09
5312	379906.59	3736170.99	1.86E-08	0.00E+00	0.00E+00	0.00E+00	1.86E-08	2.87E-09	0.00E+00	0.00E+00	0.00E+00	2.87E-09	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09
5313	379926.59	3736170.99	1.93E-08	0.00E+00	0.00E+00	0.00E+00	1.93E-08	2.97E-09	0.00E+00	0.00E+00	0.00E+00	2.97E-09	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09
5314	379946.59	3736170.99	1.99E-08	0.00E+00	0.00E+00	0.00E+00	1.99E-08	3.07E-09	0.00E+00	0.00E+00	0.00E+00	3.07E-09	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09
5315	379966.59	3736170.99	2.06E-08	0.00E+00	0.00E+00	0.00E+00	2.06E-08	3.17E-09	0.00E+00	0.00E+00	0.00E+00	3.17E-09	2.11E-09	0.00E+00	0.00E+00	0.00E+00	2.11E-09
5316	379986.59	3736170.99	2.13E-08	0.00E+00	0.00E+00	0.00E+00	2.13E-08	3.28E-09	0.00E+00	0.00E+00	0.00E+00	3.28E-09	2.18E-09	0.00E+00	0.00E+00	0.00E+00	2.18E-09
5317	380006.59	3736170.99	2.21E-08	0.00E+00	0.00E+00	0.00E+00	2.21E-08	3.40E-09	0.00E+00	0.00E+00	0.00E+00	3.40E-09	2.26E-09	0.00E+00	0.00E+00	0.00E+00	2.26E-09
5318	380026.59	3736170.99	2.29E-08	0.00E+00	0.00E+00	0.00E+00	2.29E-08	3.53E-09	0.00E+00	0.00E+00	0.00E+00	3.53E-09	2.34E-09	0.00E+00	0.00E+00	0.00E+00	2.34E-09
5319	380046.59	3736170.99	2.38E-08	0.00E+00	0.00E+00	0.00E+00	2.38E-08	3.66E-09	0.00E+00	0.00E+00	0.00E+00	3.66E-09	2.43E-09	0.00E+00	0.00E+00	0.00E+00	2.43E-09
5320	380066.59	3736170.99	2.47E-08	0.00E+00	0.00E+00	0.00E+00	2.47E-08	3.81E-09	0.00E+00	0.00E+00	0.00E+00	3.81E-09	2.53E-09	0.00E+00	0.00E+00	0.00E+00	2.53E-09
5321	380086.59	3736170.99	2.57E-08	0.00E+00	0.00E+00	0.00E+00	2.57E-08	3.96E-09	0.00E+00	0.00E+00	0.00E+00	3.96E-09	2.63E-09	0.00E+00	0.00E+00	0.00E+00	2.63E-09
5322	379726.59	3736190.99	1.44E-08	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.22E-09	0.00E+00	0.00E+00	0.00E+00	2.22E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09
5323	379746.59	3736190.99	1.48E-08	0.00E+00	0.00E+00	0.00E+00	1.48E-08	2.28E-09	0.00E+00	0.00E+00	0.00E+00	2.28E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09
5324	379766.59	3736190.99	1.52E-08	0.00E+00	0.00E+00	0.00E+00	1.52E-08	2.34E-09	0.00E+00	0.00E+00	0.00E+00	2.34E-09	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09
5325	379786.59	3736190.99	1.56E-08	0.00E+00	0.00E+00	0.00E+00	1.56E-08	2.40E-09	0.00E+00	0.00E+00	0.00E+00	2.40E-09	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09
5326	379806.59	3736190.99	1.61E-08	0.00E+00	0.00E+00	0.00E+00	1.61E-08	2.48E-09	0.00E+00	0.00E+00	0.00E+00	2.48E-09	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09
5327	379826.59	3736190.99	1.66E-08	0.00E+00	0.00E+00	0.00E+00	1.66E-08	2.55E-09	0.00E+00	0.00E+00	0.00E+00	2.55E-09	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09
5328	379846.59	3736190.99	1.71E-08	0.00E+00	0.00E+00	0.00E+00	1.71E-08	2.63E-09	0.00E+00	0.00E+00	0.00E+00	2.63E-09	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09
5329	379866.59	3736190.99	1.76E-08	0.00E+00	0.00E+00	0.00E+00	1.76E-08	2.71E-09	0.00E+00	0.00E+00	0.00E+00	2.71E-09	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09
5330	379886.59	3736190.99	1.82E-08	0.00E+00	0.00E+00	0.00E+00	1.82E-08	2.80E-09	0.00E+00	0.00E+00	0.00E+00	2.80E-09	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09
5331	379906.59	3736190.99	1.88E-08	0.00E+00	0.00E+00	0.00E+00	1.88E-08	2.90E-09	0.00E+00	0.00E+00	0.00E+00	2.90E-09	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09
5332	379926.59	3736190.99	1.95E-08	0.00E+00	0.00E+00	0.00E+00	1.95E-08	3.00E-09	0.00E+00	0.00E+00	0.00E+00	3.00E-09	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09
5333	379946.59	3736190.99	2.02E-08	0.00E+00	0.00E+00	0.00E+00	2.02E-08	3.11E-09	0.00E+00	0.00E+00	0.00E+00	3.11E-09	2.07E-09	0.00E+00	0.00E+00	0.00E+00	2.07E-09
5334	379966.59	3736190.99	2.08E-08	0.00E+00	0.00E+00	0.00E+00	2.08E-08	3.21E-09	0.00E+00	0.00E+00	0.00E+00	3.21E-09	2.14E-09	0.00E+00	0.00E+00	0.00E+00	2.14E-09
5335	379986.59	3736190.99	2.16E-08	0.00E+00	0.00E+00	0.00E+00	2.16E-08	3.33E-09	0.00E+00	0.00E+00	0.00E+00	3.33E-09	2.21E-09	0.00E+00	0.00E+00	0.00E+00	2.21E-09
5336	380006.59	3736190.99	2.24E-08	0.00E+00	0.00E+00	0.00E+00	2.24E-08	3.45E-09	0.00E+00	0.00E+00	0.00E+00	3.45E-09	2.29E-09	0.00E+00	0.00E+00	0.00E+00	2.29E-09
5337	380026.59	3736190.99	2.32E-08	0.00E+00	0.00E+00	0.00E+00	2.32E-08	3.58E-09	0.00E+00	0.00E+00	0.00E+00	3.58E-09	2.38E-09	0.00E+00	0.00E+00	0.00E+00	2.38E-09
5338	380046.59	3736190.99	2.41E-08	0.00E+00	0.00E+00	0.00E+00	2.41E-08	3.72E-09	0.00E+00	0.00E+00	0.00E+00	3.72E-09	2.47E-09	0.00E+00	0.00E+00	0.00E+00	2.47E-09
5339	380066.59	3736190.99	2.51E-08	0.00E+00	0.00E+00	0.00E+00	2.51E-08	3.87E-09	0.00E+00	0.00E+00	0.00E+00	3.87E-09	2.57E-09	0.00E+00	0.00E+00	0.00E+00	2.57E-09
5340	380086.59	3736190.99	2.61E-08	0.00E+00	0.00E+00	0.00E+00	2.61E-08	4.03E-09	0.00E+00	0.00E+00	0.00E+00	4.03E-09	2.68E-09	0.00E+00	0.00E+00	0.00E+00	2.68E-09
5341	379726.59	3736210.99	1.45E-08	0.00E+00	0.00E+00	0.00E+00	1.45E-08	2.23E-09	0.00E+00	0.00E+00	0.00E+00	2.23E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09
5342	379746.59	3736210.99	1.48E-08	0.00E+00	0.00E+00	0.00E+00	1.48E-08	2.28E-09	0.00E+00	0.00E+00	0.00E+00	2.28E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09
5343	379766.59	3736210.99	1.52E-08	0.00E+00	0.00E+00	0.00E+00	1.52E-08	2.35E-09	0.00E+00	0.00E+00	0.00E+00	2.35E-09	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09
5344	379786.59	3736210.99	1.56E-08	0.00E+00	0.00E+00	0.00E+00	1.56E-08	2.41E-09	0.00E+00	0.00E+00	0.00E+00	2.41E-09	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09
5345	379806.59	3736210.99	1.61E-08	0.00E+00	0.00E+00	0.00E+00	1.61E-08	2.48E-09	0.00E+00	0.00E+00	0.00E+00	2.48E-09	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09
5346	379826.59	3736210.99	1.66E-08	0.00E+00	0.00E+00	0.00E+00	1.66E-08	2.56E-09	0.00E+00	0.00E+00	0.00E+00	2.56E-09	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09
5347	379846.59	3736210.99	1.71E-08	0.00E+00	0.00E+00	0.00E+00	1.71E-08	2.64E-09	0.00E+00	0.00E+00	0.00E+00	2.64E-09	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09
5348	379866.59	3736210.99	1.77E-08	0.00E+00	0.00E+00	0.00E+00	1.77E-08	2.72E-09	0.00E+00	0.00E+00	0.00E+00	2.72E-09	1.81E-09	0.00E+00	0.00E+00	0.00E+00	1.81E-09
5349	379886.59	3736210.99	1.83E-08	0.00E+00	0.00E+00	0.00E+00	1.83E-08	2.81E-09	0.00E+00	0.00E+00	0.00E+00	2.81E-09	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09
5350	379906.59	3736210.99	1.89E-08	0.00E+00	0.00E+00	0.00E+00	1.89E-08	2.92E-09	0.00E+00	0.00E+00	0.00E+00	2.92E-09	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09
5351	379926.59	3736210.99	1.96E-08	0.00E+00	0.00E+00	0.00E+00	1.96E-08	3.03E-09	0.00E+00	0.00E+00	0.00E+00	3.03E-09	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09

5352	379946.59	3736210.99	2.04E-08	0.00E+00	0.00E+00	0.00E+00	2.04E-08	3.14E-09	0.00E+00	0.00E+00	0.00E+00	3.14E-09	2.09E-09	0.00E+00	0.00E+00	0.00E+00	2.09E-09
5353	379966.59	3736210.99	2.11E-08	0.00E+00	0.00E+00	0.00E+00	2.11E-08	3.25E-09	0.00E+00	0.00E+00	0.00E+00	3.25E-09	2.16E-09	0.00E+00	0.00E+00	0.00E+00	2.16E-09
5354	379986.59	3736210.99	2.18E-08	0.00E+00	0.00E+00	0.00E+00	2.18E-08	3.37E-09	0.00E+00	0.00E+00	0.00E+00	3.37E-09	2.24E-09	0.00E+00	0.00E+00	0.00E+00	2.24E-09
5355	380006.59	3736210.99	2.27E-08	0.00E+00	0.00E+00	0.00E+00	2.27E-08	3.49E-09	0.00E+00	0.00E+00	0.00E+00	3.49E-09	2.32E-09	0.00E+00	0.00E+00	0.00E+00	2.32E-09
5356	380026.59	3736210.99	2.35E-08	0.00E+00	0.00E+00	0.00E+00	2.35E-08	3.63E-09	0.00E+00	0.00E+00	0.00E+00	3.63E-09	2.41E-09	0.00E+00	0.00E+00	0.00E+00	2.41E-09
5357	380046.59	3736210.99	2.44E-08	0.00E+00	0.00E+00	0.00E+00	2.44E-08	3.77E-09	0.00E+00	0.00E+00	0.00E+00	3.77E-09	2.50E-09	0.00E+00	0.00E+00	0.00E+00	2.50E-09
5358	380066.59	3736210.99	2.55E-08	0.00E+00	0.00E+00	0.00E+00	2.55E-08	3.92E-09	0.00E+00	0.00E+00	0.00E+00	3.92E-09	2.61E-09	0.00E+00	0.00E+00	0.00E+00	2.61E-09
5359	380086.59	3736210.99	2.65E-08	0.00E+00	0.00E+00	0.00E+00	2.65E-08	4.09E-09	0.00E+00	0.00E+00	0.00E+00	4.09E-09	2.72E-09	0.00E+00	0.00E+00	0.00E+00	2.72E-09
5360	379726.59	3736230.99	1.45E-08	0.00E+00	0.00E+00	0.00E+00	1.45E-08	2.24E-09	0.00E+00	0.00E+00	0.00E+00	2.24E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09
5361	379746.59	3736230.99	1.49E-08	0.00E+00	0.00E+00	0.00E+00	1.49E-08	2.29E-09	0.00E+00	0.00E+00	0.00E+00	2.29E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09
5362	379766.59	3736230.99	1.52E-08	0.00E+00	0.00E+00	0.00E+00	1.52E-08	2.35E-09	0.00E+00	0.00E+00	0.00E+00	2.35E-09	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09
5363	379786.59	3736230.99	1.57E-08	0.00E+00	0.00E+00	0.00E+00	1.57E-08	2.41E-09	0.00E+00	0.00E+00	0.00E+00	2.41E-09	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09
5364	379806.59	3736230.99	1.61E-08	0.00E+00	0.00E+00	0.00E+00	1.61E-08	2.49E-09	0.00E+00	0.00E+00	0.00E+00	2.49E-09	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09
5365	379826.59	3736230.99	1.67E-08	0.00E+00	0.00E+00	0.00E+00	1.67E-08	2.57E-09	0.00E+00	0.00E+00	0.00E+00	2.57E-09	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09
5366	379846.59	3736230.99	1.72E-08	0.00E+00	0.00E+00	0.00E+00	1.72E-08	2.65E-09	0.00E+00	0.00E+00	0.00E+00	2.65E-09	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09
5367	379866.59	3736230.99	1.77E-08	0.00E+00	0.00E+00	0.00E+00	1.77E-08	2.73E-09	0.00E+00	0.00E+00	0.00E+00	2.73E-09	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09
5368	379886.59	3736230.99	1.83E-08	0.00E+00	0.00E+00	0.00E+00	1.83E-08	2.82E-09	0.00E+00	0.00E+00	0.00E+00	2.82E-09	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09
5369	379906.59	3736230.99	1.90E-08	0.00E+00	0.00E+00	0.00E+00	1.90E-08	2.93E-09	0.00E+00	0.00E+00	0.00E+00	2.93E-09	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09
5370	379926.59	3736230.99	1.98E-08	0.00E+00	0.00E+00	0.00E+00	1.98E-08	3.05E-09	0.00E+00	0.00E+00	0.00E+00	3.05E-09	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09
5371	379946.59	3736230.99	2.05E-08	0.00E+00	0.00E+00	0.00E+00	2.05E-08	3.17E-09	0.00E+00	0.00E+00	0.00E+00	3.17E-09	2.10E-09	0.00E+00	0.00E+00	0.00E+00	2.10E-09
5372	379966.59	3736230.99	2.13E-08	0.00E+00	0.00E+00	0.00E+00	2.13E-08	3.28E-09	0.00E+00	0.00E+00	0.00E+00	3.28E-09	2.18E-09	0.00E+00	0.00E+00	0.00E+00	2.18E-09
5373	379986.59	3736230.99	2.20E-08	0.00E+00	0.00E+00	0.00E+00	2.20E-08	3.40E-09	0.00E+00	0.00E+00	0.00E+00	3.40E-09	2.26E-09	0.00E+00	0.00E+00	0.00E+00	2.26E-09
5374	380006.59	3736230.99	2.29E-08	0.00E+00	0.00E+00	0.00E+00	2.29E-08	3.53E-09	0.00E+00	0.00E+00	0.00E+00	3.53E-09	2.34E-09	0.00E+00	0.00E+00	0.00E+00	2.34E-09
5375	380026.59	3736230.99	2.38E-08	0.00E+00	0.00E+00	0.00E+00	2.38E-08	3.66E-09	0.00E+00	0.00E+00	0.00E+00	3.66E-09	2.43E-09	0.00E+00	0.00E+00	0.00E+00	2.43E-09
5376	380046.59	3736230.99	2.47E-08	0.00E+00	0.00E+00	0.00E+00	2.47E-08	3.81E-09	0.00E+00	0.00E+00	0.00E+00	3.81E-09	2.53E-09	0.00E+00	0.00E+00	0.00E+00	2.53E-09
5377	380066.59	3736230.99	2.57E-08	0.00E+00	0.00E+00	0.00E+00	2.57E-08	3.97E-09	0.00E+00	0.00E+00	0.00E+00	3.97E-09	2.64E-09	0.00E+00	0.00E+00	0.00E+00	2.64E-09
5378	380086.59	3736230.99	2.69E-08	0.00E+00	0.00E+00	0.00E+00	2.69E-08	4.14E-09	0.00E+00	0.00E+00	0.00E+00	4.14E-09	2.75E-09	0.00E+00	0.00E+00	0.00E+00	2.75E-09
5379	379726.59	3736250.99	1.45E-08	0.00E+00	0.00E+00	0.00E+00	1.45E-08	2.23E-09	0.00E+00	0.00E+00	0.00E+00	2.23E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09
5380	379746.59	3736250.99	1.49E-08	0.00E+00	0.00E+00	0.00E+00	1.49E-08	2.29E-09	0.00E+00	0.00E+00	0.00E+00	2.29E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09
5381	379766.59	3736250.99	1.53E-08	0.00E+00	0.00E+00	0.00E+00	1.53E-08	2.35E-09	0.00E+00	0.00E+00	0.00E+00	2.35E-09	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09
5382	379786.59	3736250.99	1.57E-08	0.00E+00	0.00E+00	0.00E+00	1.57E-08	2.42E-09	0.00E+00	0.00E+00	0.00E+00	2.42E-09	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09
5383	379806.59	3736250.99	1.62E-08	0.00E+00	0.00E+00	0.00E+00	1.62E-08	2.50E-09	0.00E+00	0.00E+00	0.00E+00	2.50E-09	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09
5384	379826.59	3736250.99	1.67E-08	0.00E+00	0.00E+00	0.00E+00	1.67E-08	2.58E-09	0.00E+00	0.00E+00	0.00E+00	2.58E-09	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09
5385	379846.59	3736250.99	1.73E-08	0.00E+00	0.00E+00	0.00E+00	1.73E-08	2.66E-09	0.00E+00	0.00E+00	0.00E+00	2.66E-09	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09
5386	379866.59	3736250.99	1.78E-08	0.00E+00	0.00E+00	0.00E+00	1.78E-08	2.74E-09	0.00E+00	0.00E+00	0.00E+00	2.74E-09	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09
5387	379886.59	3736250.99	1.84E-08	0.00E+00	0.00E+00	0.00E+00	1.84E-08	2.83E-09	0.00E+00	0.00E+00	0.00E+00	2.83E-09	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09
5388	379906.59	3736250.99	1.91E-08	0.00E+00	0.00E+00	0.00E+00	1.91E-08	2.94E-09	0.00E+00	0.00E+00	0.00E+00	2.94E-09	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09
5389	379926.59	3736250.99	1.99E-08	0.00E+00	0.00E+00	0.00E+00	1.99E-08	3.06E-09	0.00E+00	0.00E+00	0.00E+00	3.06E-09	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09
5390	379946.59	3736250.99	2.07E-08	0.00E+00	0.00E+00	0.00E+00	2.07E-08	3.19E-09	0.00E+00	0.00E+00	0.00E+00	3.19E-09	2.12E-09	0.00E+00	0.00E+00	0.00E+00	2.12E-09
5391	379966.59	3736250.99	2.14E-08	0.00E+00	0.00E+00	0.00E+00	2.14E-08	3.30E-09	0.00E+00	0.00E+00	0.00E+00	3.30E-09	2.20E-09	0.00E+00	0.00E+00	0.00E+00	2.20E-09
5392	379986.59	3736250.99	2.22E-08	0.00E+00	0.00E+00	0.00E+00	2.22E-08	3.43E-09	0.00E+00	0.00E+00	0.00E+00	3.43E-09	2.28E-09	0.00E+00	0.00E+00	0.00E+00	2.28E-09
5393	380006.59	3736250.99	2.31E-08	0.00E+00	0.00E+00	0.00E+00	2.31E-08	3.56E-09	0.00E+00	0.00E+00	0.00E+00	3.56E-09	2.36E-09	0.00E+00	0.00E+00	0.00E+00	2.36E-09
5394	380026.59	3736250.99	2.40E-08	0.00E+00	0.00E+00	0.00E+00	2.40E-08	3.70E-09	0.00E+00	0.00E+00	0.00E+00	3.70E-09	2.46E-09	0.00E+00	0.00E+00	0.00E+00	2.46E-09
5395	380046.59	3736250.99	2.50E-08	0.00E+00	0.00E+00	0.00E+00	2.50E-08	3.85E-09	0.00E+00	0.00E+00	0.00E+00	3.85E-09	2.56E-09	0.00E+00	0.00E+00	0.00E+00	2.56E-09
5396	380066.59	3736250.99	2.60E-08	0.00E+00	0.00E+00	0.00E+00	2.60E-08	4.00E-09	0.00E+00	0.00E+00	0.00E+00	4.00E-09	2.66E-09	0.00E+00	0.00E+00	0.00E+00	2.66E-09
5397	380086.59	3736250.99	2.71E-08	0.00E+00	0.00E+00	0.00E+00	2.71E-08	4.18E-09	0.00E+00	0.00E+00	0.00E+00	4.18E-09	2.78E-09	0.00E+00	0.00E+00	0.00E+00	2.78E-09
5398	379726.59	3736270.99	1.44E-08	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.23E-09	0.00E+00	0.00E+00	0.00E+00	2.23E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09
5399	379746.59	3736270.99	1.48E-08	0.00E+00	0.00E+00	0.00E+00	1.48E-08	2.29E-09	0.00E+00	0.00E+00	0.00E+00	2.29E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09
5400	379766.59	3736270.99	1.53E-08	0.00E+00	0.00E+00	0.00E+00	1.53E-08	2.35E-09	0.00E+00	0.00E+00	0.00E+00	2.35E-09	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09
5401	379786.59	3736270.99	1.57E-08	0.00E+00	0.00E+00	0.00E+00	1.57E-08	2.42E-09	0.00E+00	0.00E+00	0.00E+00	2.42E-09	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09
5402	379806.59	3736270.99	1.62E-08	0.00E+00	0.00E+00	0.00E+00	1.62E-08	2.50E-09	0.00E+00	0.00E+00	0.00E+00	2.50E-09	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09
5403	379826.59	3736270.99	1.68E-08	0.00E+00	0.00E+00	0.00E+00	1.68E-08	2.59E-09	0.00E+00	0.00E+00	0.00E+00	2.59E-09	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09
5404	379846.59	3736270.99	1.73E-08	0.00E+00	0.00E+00	0.00E+00	1.73E-08	2.67E-09	0.00E+00	0.00E+00	0.00E+00	2.67E-09	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09
5405	379866.59	3736270.99	1.79E-08	0.00E+00	0.00E+00	0.00E+00	1.79E-08	2.76E-09	0.00E+00	0.00E+00	0.00E+00	2.76E-09	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09
5406	379886.59	3736270.99	1.85E-08	0.00E+00	0.00E+00	0.00E+00	1.85E-08	2.85E-09	0.00E+00	0.00E+00	0.00E+00	2.85E-09	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09
5407	379906.59	3736270.99	1.92E-08	0.00E+00	0.00E+00	0.00E+00	1.92E-08	2.96E-09	0.00E+00	0.00E+00	0.00E+00	2.96E-09	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09
5408	379926.59	3736270.99	2.00E-08	0.00E+00	0.00E+00	0.00E+00	2.00E-08	3.08E-09	0.00E+00	0.00E+00	0.00E+00	3.08E-09	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09
5409	379946.59	3736270.99	2.08E-08	0.00E+00	0.00E+00	0.00E+00	2.08E-08	3.21E-09	0.00E+00	0.00E+00	0.00E+00	3.21E-09	2.13E-09	0.00E+00	0.00E+00	0.00E+00	2.13E-09
5410	379966.59	3736270.99	2.16E-08	0.00E+00	0.00E+00	0.00E+00	2.16E-08	3.32E-09	0.00E+00	0.00E+00	0.00E+00	3.32E-09	2.21E-09	0.00E+00	0.00E+00	0.00E+00	2.21E-09
5411	379986.59	3736270.99	2.24E-08	0.00E+00	0.00E+00	0.00E+00	2.24E-08	3.45E-09	0.00E+00	0.00E+00	0.00E+00	3.45E-09	2.29E-09	0.00E+00	0.00E+00	0.00E+00	2.29E-09
5412	380006.59	3736270.99	2.32E-08	0.00E+00	0.00E+00	0.00E+00	2.32E-08	3.58E-09	0.00E+00	0.00E+00	0.00E+00	3.58E-09	2.38E-09	0.00E+00	0.00E+00	0.00E+00	2.38E-09
5413	380026.59	3736270.99	2.42E-08	0.00E+00	0.00E+00	0.00E+00	2.42E-08	3.72E-09	0.00E+00	0.00E+00	0.00E+00	3.72E-09	2.47E-09	0.00E+00	0.00E+00	0.00E+00	2.47E-09
5414	380046.59	3736270.99	2.51E-08	0.00E+00	0.00E+00	0.00E+00	2.51E-08	3.86E-09	0.00E+00	0.00E+00	0.00E+00	3.86E-09	2.57E-09	0.00E+00	0.00E+00	0.00E+00	2.57E-09
5415	380066.59	3736270.99	2.60E-08	0.00E+00	0.00E+00	0.00E+00	2.60E-08	4.01E-09	0.00E+00	0.00E+00	0.00E+00	4.01E-09	2.67E-09	0.00E+00	0.00E+00	0.00E+00	2.67E-09
5416	379726.59	3736290.99	1.44E-08	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.22E-09	0.00E+00	0.00E+00	0.00E+00	2.22E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09
5417	379746.59	3736290.99	1.48E-08	0.00E+00	0.00E+00	0.00E+00	1.48E-08	2.28E-09	0.00E+00	0.00E+00	0.00E+00	2.28E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09
5418	379766.59	3736290.99	1.52E-08	0.00E+00	0.00E+00	0.00E+00	1.52E-08	2.35E-09	0.00E+00	0.00E+00	0.00E+00	2.35E-09	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09
5419	379786.59	3736290.99	1.57E-08	0.00E+00	0.00E+00	0.00E+00	1.57E-08	2.42E-09	0.00E+00	0.00E+00	0.00E+00	2.42E-09	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09
5420	379806.59	3736290.99	1.62E-08	0.00E+00	0.00E+00	0.00E+00	1.62E-08	2.50E-09	0.00E+00	0.00E+00	0.00E+00	2.50E-09	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09
5421	379826.59	3736290.99	1.68E-08	0.00E+00	0.00E+00	0.00E+00	1.68E-08	2.59E-09	0.00E+00	0.00E+00	0.00E+00	2.59E-09	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09
5422	379846.59	3736290.99	1.74E-08	0.00E+00	0.00E+00	0.00E+00	1.74E-08	2.68E-09	0.00E+00	0.00E+00	0.00E+00	2.68E-09	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09
5423	379866.59	3736290.99	1.80E-08	0.00E+00	0.00E+00	0.00E+00	1.80E-08	2.77E-09	0.00E+00	0.00E+00	0.00E+00	2.77E-09	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09
5424	379886.59	3736290.99	1.86E-08	0.00E+00	0.00E+00	0.00E+00	1.86E-08	2.87E-09	0.00E+00	0.00E+00	0.00E+00	2.87E-09	1.90E-09	0.00E+00	0.00E+00	0.00E+00	1.90E-09
5425	379906.59	3736290.99	1.93E-08	0.00E+00	0.00E+00	0.00E+00	1.93E-08	2.97E-09	0.00E+00	0.00E+00	0.00E+00	2.97E-09	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09
5426	379926.59	3736290.99	2.01E-08	0.00E+00	0.00E+00	0.00E+00	2.01E-08	3.09E-09	0.00E+00	0.00E+00	0.00E+00	3.09E-09	2.06E-09	0.00E+00	0.00E+00	0.00E+00	2.06E-09
5427	379946.59	3736290.99	2.09E-08	0.00E+00	0.00E+00	0.00E+00	2.09E-08	3.22E-09	0.00E+00	0.00E+00	0.00E+00	3.22E-09	2.14E-09	0.00E+00	0.00E+00	0.00E+00	2.14E-09
5428	379966.59	3736290.99	2.17E-08	0.00E+00	0.00E+00	0.00E+00	2.17E-08	3.34E-09	0.00E+00	0.00E+00	0.00E+00	3.34E-09	2.22E-09	0.00E+00	0.00E+00	0.00E+00	2.22E-09
5429	379986.59	3736290.99	2.25E-08	0.00E+00	0.00E+00	0.00E+00	2.25E-08	3.46E-09	0.00E+00	0.00E+00	0.00E+00	3.46E-09	2.30E-09	0.00E+00	0.00E+00	0.00E+00	2.30E-09
5430	380006.59	3736290.99	2.33E-08	0.00E+00	0.00E+00	0.00E+00	2.33E-08	3.60E-09	0.00E+00	0.00E+00	0.00E+00	3.60E-09	2.39E-09	0.00E+00	0.00E+00	0.00E+00	2.39E-09
5431	380026.59	3736290.99	2.43E-08	0.00E+00	0.00E+00	0.00E+00	2.43E-08	3.74E-09	0.00E+00	0.00E+00	0.00E+00	3.74E-09	2.48E-09	0.00E+00	0.00E+00	0.00E+00	2.48E-09
5432	380046.59	3736290.99	2.51E-08	0.00E+00	0.00E+00	0.00E+00	2.51E-08	3.87E-09	0.00E+00	0.00E+00	0.00E+00	3.87E-09	2.57E-09	0.00E+00	0.00E+00	0.00E+00	2.57E-09
5433	380066.59	3736290.99	2.61E-08	0.00E+00	0.00E+00	0.00E+00	2.61E-08	4.02E-09	0.00E+00	0.00E+00	0.00E+00	4.02E-09	2.67E-09	0.00E+00	0.00E+00	0.00E+00	2.67E-09
5434	379726.59	3736310.99	1.44E-08	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.22E-09	0.00E+00	0.00E+00	0.00E+00	2.22E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09
5435	379746.59	3736310.99	1.48E-08	0.00E+00	0.00E+00	0.00E+00	1.48E-08	2.28E-09	0.00E+00	0.00E+00	0.00E+00	2.28E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09
5436	379766.59	3736310.99	1.53E-08	0.00E+00	0.00E+00	0.00E+00	1.53E-08	2.35E-09	0.00E+00	0.00E+00	0.00E+00	2.35E-09	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09
5437	379786.59	3736310.99	1.57E-08	0.00E+00	0.00E+00	0.00E+00	1.57E-08	2.43E-09	0.00E+00	0.00E+00	0.00E+00	2.43E-09	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09
5438	379806.59	3736310.99	1.62E-08	0.00E+00	0.00E+00	0.00E+00	1.62E-08	2.50E-09	0.00E+00	0.00E+00	0.00E+00	2.50E-09	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09
5439	379826.59	3736310.99	1.68E-08	0.00E+00	0.00E+00	0.00E+00	1.68E-08	2.59E-09	0.00E+00	0.00E+00	0.00E+00	2.59E-09	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09
5440	379846.59	3736310.99	1.74E-08	0.00E+00	0.00E+00	0.00E+00	1.74E-08	2.68E-09	0.00E+00	0.00E+00	0.00E+00	2.68E-09	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09
5441	379866.59	3736310.99	1.80E-08	0.00E+00	0.00E+00	0.00E+00	1.80E-08	2.78E-09	0.00E+00	0.00E+00	0.00E+00	2.78E-09	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09
5442	379886.59	3736310.99	1.86E-08	0.00E+00	0.00E+00	0.00E+00	1.86E-08	2.87E-09	0.00E+00	0.00E+00	0.00E+00	2.87E-09	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09
5443	379906.59	3736310.99	1.93E-08	0.00E+00	0.00E+00	0.00E+00	1.93E-08	2.97E-09	0.00E+00	0.00E+00	0.00E+00	2.97E-09	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09
5444	379926.59	3736310.99	2.00E-08	0.00E+00	0.00E+00	0.00E+00	2.00E-08	3.09E-09	0.00E+00	0.00E+00	0.00E+00	3.09E-09	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09
5445	379946.59	3736310.99	2.08E-08	0.00E+00	0.00E+00	0.00E+00	2.08E-08	3.21E-09	0.00E+00	0.00E+00	0.00E+00	3.21E-09	2.13E-09	0.00E+00	0.00E+00	0.00E+00	2.13E-09
5446	379966.59	3736310.99	2.16E-08	0.00E+00	0.00E+00	0.00E+00	2.16E-08	3.33E-09	0.00E+00	0.00E+00	0.00E+00	3.33E-09	2.22E-09	0.00E+00	0.00E+00	0.00E+00	2.22E-09
5447	379986.59	3736310.99	2.25E-08	0.00E+00	0.00E+00	0.00E+00	2.25E-08	3.47E-09	0.00E+00	0.00E+00	0.00E+00	3.47E-09	2.30E-09	0.00E+00	0.00E+00	0.00E+00	2.30E-09
5448	380006.59	3736310.99	2.34E-08	0.00E+00	0.00E+00	0.00E+00	2.34E-08	3.60E-09	0.00E+00	0.00E+00	0.00E+00	3.60E-09	2.39E-09	0.00E+00	0.00E+00	0.00E+00	2.39E-09
5449	380026.59	3736310.99	2.42E-08	0.00E+00	0.00E+00	0.00E+00	2.42E-08	3.74E-09	0.00E+00	0.00E+00	0.00E+00	3.74E-09	2.48E-09	0.00E+00	0.00E+00	0.00E+00	2.48E-09
5450	380046.59	3736310.99	2.51E-08	0.00E+00	0.00E+00	0.00E+00	2.51E-08	3.88E-09	0.00E+00	0.00E+00	0.00E+00	3.88E-09	2.58E-09	0.00E+00	0.00E+00	0.00E+00	2.58E-09
5451	380066.59	3736310.99	2.61E-08	0.00E+00	0.00E+00	0.00E+00	2.61E-08	4.03E-09	0.00E+00	0.00E+00	0.00E+00	4.03E-09	2.68E-09	0.00E+00	0.00E+00	0.00E+00	2.68E-09
5452	379726.59	3736330.99	1.43E-08	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.21E-09	0.00E+00	0.00E+00	0.00E+00	2.21E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09
5453	379746.59	3736330.99	1.47E-08	0.00E+00	0.00E+00	0.00E+00	1.47E-08	2.27E-09	0.00E+00	0.00E+00	0.00E+00	2.27E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09
5454	379766.59	3736330.99	1.52E-08	0.00E+00	0.00E+00	0.00E+00	1.52E-08	2.35E-09	0.00E+00	0.00E+00	0.00E+00	2.35E-09	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09
5455	379786.59	3736330.99	1.57E-08	0.00E+00	0.00E+00	0.00E+00	1.57E-08	2.42E-09	0.00E+00	0.00E+00	0.00E+00	2.42E-09	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09
5456	379806.59	3736330.99	1.63E-08	0.00E+00	0.00E+00	0.00E+00	1.63E-08	2.51E-09	0.00E+00	0.00E+00	0.00E+00	2.51E-09	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09

5457	379826.59	3736330.99	1.68E-08	0.00E+00	0.00E+00	0.00E+00	1.68E-08	2.59E-09	0.00E+00	0.00E+00	0.00E+00	2.59E-09	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09
5458	379846.59	3736330.99	1.74E-08	0.00E+00	0.00E+00	0.00E+00	1.74E-08	2.68E-09	0.00E+00	0.00E+00	0.00E+00	2.68E-09	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09
5459	379866.59	3736330.99	1.80E-08	0.00E+00	0.00E+00	0.00E+00	1.80E-08	2.77E-09	0.00E+00	0.00E+00	0.00E+00	2.77E-09	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09
5460	379886.59	3736330.99	1.86E-08	0.00E+00	0.00E+00	0.00E+00	1.86E-08	2.87E-09	0.00E+00	0.00E+00	0.00E+00	2.87E-09	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09
5461	379906.59	3736330.99	1.93E-08	0.00E+00	0.00E+00	0.00E+00	1.93E-08	2.97E-09	0.00E+00	0.00E+00	0.00E+00	2.97E-09	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09
5462	379926.59	3736330.99	2.00E-08	0.00E+00	0.00E+00	0.00E+00	2.00E-08	3.08E-09	0.00E+00	0.00E+00	0.00E+00	3.08E-09	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09
5463	379946.59	3736330.99	2.07E-08	0.00E+00	0.00E+00	0.00E+00	2.07E-08	3.20E-09	0.00E+00	0.00E+00	0.00E+00	3.20E-09	2.12E-09	0.00E+00	0.00E+00	0.00E+00	2.12E-09
5464	379966.59	3736330.99	2.16E-08	0.00E+00	0.00E+00	0.00E+00	2.16E-08	3.32E-09	0.00E+00	0.00E+00	0.00E+00	3.32E-09	2.21E-09	0.00E+00	0.00E+00	0.00E+00	2.21E-09
5465	379986.59	3736330.99	2.24E-08	0.00E+00	0.00E+00	0.00E+00	2.24E-08	3.45E-09	0.00E+00	0.00E+00	0.00E+00	3.45E-09	2.29E-09	0.00E+00	0.00E+00	0.00E+00	2.29E-09
5466	380006.59	3736330.99	2.32E-08	0.00E+00	0.00E+00	0.00E+00	2.32E-08	3.58E-09	0.00E+00	0.00E+00	0.00E+00	3.58E-09	2.38E-09	0.00E+00	0.00E+00	0.00E+00	2.38E-09
5467	380026.59	3736330.99	2.41E-08	0.00E+00	0.00E+00	0.00E+00	2.41E-08	3.72E-09	0.00E+00	0.00E+00	0.00E+00	3.72E-09	2.47E-09	0.00E+00	0.00E+00	0.00E+00	2.47E-09
5468	380046.59	3736330.99	2.51E-08	0.00E+00	0.00E+00	0.00E+00	2.51E-08	3.87E-09	0.00E+00	0.00E+00	0.00E+00	3.87E-09	2.57E-09	0.00E+00	0.00E+00	0.00E+00	2.57E-09
5469	380066.59	3736330.99	2.62E-08	0.00E+00	0.00E+00	0.00E+00	2.62E-08	4.04E-09	0.00E+00	0.00E+00	0.00E+00	4.04E-09	2.68E-09	0.00E+00	0.00E+00	0.00E+00	2.68E-09
5470	379726.59	3736350.99	1.43E-08	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.21E-09	0.00E+00	0.00E+00	0.00E+00	2.21E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09
5471	379746.59	3736350.99	1.47E-08	0.00E+00	0.00E+00	0.00E+00	1.47E-08	2.27E-09	0.00E+00	0.00E+00	0.00E+00	2.27E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09
5472	379766.59	3736350.99	1.52E-08	0.00E+00	0.00E+00	0.00E+00	1.52E-08	2.34E-09	0.00E+00	0.00E+00	0.00E+00	2.34E-09	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09
5473	379786.59	3736350.99	1.57E-08	0.00E+00	0.00E+00	0.00E+00	1.57E-08	2.42E-09	0.00E+00	0.00E+00	0.00E+00	2.42E-09	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09
5474	379806.59	3736350.99	1.63E-08	0.00E+00	0.00E+00	0.00E+00	1.63E-08	2.51E-09	0.00E+00	0.00E+00	0.00E+00	2.51E-09	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09
5475	379826.59	3736350.99	1.68E-08	0.00E+00	0.00E+00	0.00E+00	1.68E-08	2.59E-09	0.00E+00	0.00E+00	0.00E+00	2.59E-09	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09
5476	379846.59	3736350.99	1.74E-08	0.00E+00	0.00E+00	0.00E+00	1.74E-08	2.67E-09	0.00E+00	0.00E+00	0.00E+00	2.67E-09	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09
5477	379866.59	3736350.99	1.79E-08	0.00E+00	0.00E+00	0.00E+00	1.79E-08	2.77E-09	0.00E+00	0.00E+00	0.00E+00	2.77E-09	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09
5478	379886.59	3736350.99	1.86E-08	0.00E+00	0.00E+00	0.00E+00	1.86E-08	2.86E-09	0.00E+00	0.00E+00	0.00E+00	2.86E-09	1.90E-09	0.00E+00	0.00E+00	0.00E+00	1.90E-09
5479	379906.59	3736350.99	1.92E-08	0.00E+00	0.00E+00	0.00E+00	1.92E-08	2.96E-09	0.00E+00	0.00E+00	0.00E+00	2.96E-09	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09
5480	379926.59	3736350.99	1.99E-08	0.00E+00	0.00E+00	0.00E+00	1.99E-08	3.07E-09	0.00E+00	0.00E+00	0.00E+00	3.07E-09	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09
5481	379946.59	3736350.99	2.06E-08	0.00E+00	0.00E+00	0.00E+00	2.06E-08	3.18E-09	0.00E+00	0.00E+00	0.00E+00	3.18E-09	2.11E-09	0.00E+00	0.00E+00	0.00E+00	2.11E-09
5482	379966.59	3736350.99	2.14E-08	0.00E+00	0.00E+00	0.00E+00	2.14E-08	3.30E-09	0.00E+00	0.00E+00	0.00E+00	3.30E-09	2.20E-09	0.00E+00	0.00E+00	0.00E+00	2.20E-09
5483	379986.59	3736350.99	2.23E-08	0.00E+00	0.00E+00	0.00E+00	2.23E-08	3.43E-09	0.00E+00	0.00E+00	0.00E+00	3.43E-09	2.28E-09	0.00E+00	0.00E+00	0.00E+00	2.28E-09
5484	380006.59	3736350.99	2.31E-08	0.00E+00	0.00E+00	0.00E+00	2.31E-08	3.56E-09	0.00E+00	0.00E+00	0.00E+00	3.56E-09	2.36E-09	0.00E+00	0.00E+00	0.00E+00	2.36E-09
5485	380026.59	3736350.99	2.39E-08	0.00E+00	0.00E+00	0.00E+00	2.39E-08	3.69E-09	0.00E+00	0.00E+00	0.00E+00	3.69E-09	2.45E-09	0.00E+00	0.00E+00	0.00E+00	2.45E-09
5486	380046.59	3736350.99	2.49E-08	0.00E+00	0.00E+00	0.00E+00	2.49E-08	3.84E-09	0.00E+00	0.00E+00	0.00E+00	3.84E-09	2.56E-09	0.00E+00	0.00E+00	0.00E+00	2.56E-09
5487	380066.59	3736350.99	2.62E-08	0.00E+00	0.00E+00	0.00E+00	2.62E-08	4.04E-09	0.00E+00	0.00E+00	0.00E+00	4.04E-09	2.69E-09	0.00E+00	0.00E+00	0.00E+00	2.69E-09
5488	379726.59	3736370.99	1.43E-08	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.20E-09	0.00E+00	0.00E+00	0.00E+00	2.20E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09
5489	379746.59	3736370.99	1.47E-08	0.00E+00	0.00E+00	0.00E+00	1.47E-08	2.26E-09	0.00E+00	0.00E+00	0.00E+00	2.26E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09
5490	379766.59	3736370.99	1.51E-08	0.00E+00	0.00E+00	0.00E+00	1.51E-08	2.33E-09	0.00E+00	0.00E+00	0.00E+00	2.33E-09	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09
5491	379786.59	3736370.99	1.57E-08	0.00E+00	0.00E+00	0.00E+00	1.57E-08	2.42E-09	0.00E+00	0.00E+00	0.00E+00	2.42E-09	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09
5492	379806.59	3736370.99	1.62E-08	0.00E+00	0.00E+00	0.00E+00	1.62E-08	2.50E-09	0.00E+00	0.00E+00	0.00E+00	2.50E-09	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09
5493	379826.59	3736370.99	1.68E-08	0.00E+00	0.00E+00	0.00E+00	1.68E-08	2.59E-09	0.00E+00	0.00E+00	0.00E+00	2.59E-09	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09
5494	379846.59	3736370.99	1.73E-08	0.00E+00	0.00E+00	0.00E+00	1.73E-08	2.67E-09	0.00E+00	0.00E+00	0.00E+00	2.67E-09	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09
5495	379866.59	3736370.99	1.79E-08	0.00E+00	0.00E+00	0.00E+00	1.79E-08	2.76E-09	0.00E+00	0.00E+00	0.00E+00	2.76E-09	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09
5496	379886.59	3736370.99	1.85E-08	0.00E+00	0.00E+00	0.00E+00	1.85E-08	2.85E-09	0.00E+00	0.00E+00	0.00E+00	2.85E-09	1.90E-09	0.00E+00	0.00E+00	0.00E+00	1.90E-09
5497	379906.59	3736370.99	1.91E-08	0.00E+00	0.00E+00	0.00E+00	1.91E-08	2.95E-09	0.00E+00	0.00E+00	0.00E+00	2.95E-09	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09
5498	379926.59	3736370.99	1.98E-08	0.00E+00	0.00E+00	0.00E+00	1.98E-08	3.05E-09	0.00E+00	0.00E+00	0.00E+00	3.05E-09	2.03E-09	0.00E+00	0.00E+00	0.00E+00	2.03E-09
5499	379946.59	3736370.99	2.06E-08	0.00E+00	0.00E+00	0.00E+00	2.06E-08	3.17E-09	0.00E+00	0.00E+00	0.00E+00	3.17E-09	2.11E-09	0.00E+00	0.00E+00	0.00E+00	2.11E-09
5500	379966.59	3736370.99	2.13E-08	0.00E+00	0.00E+00	0.00E+00	2.13E-08	3.29E-09	0.00E+00	0.00E+00	0.00E+00	3.29E-09	2.19E-09	0.00E+00	0.00E+00	0.00E+00	2.19E-09
5501	379986.59	3736370.99	2.22E-08	0.00E+00	0.00E+00	0.00E+00	2.22E-08	3.42E-09	0.00E+00	0.00E+00	0.00E+00	3.42E-09	2.27E-09	0.00E+00	0.00E+00	0.00E+00	2.27E-09
5502	380006.59	3736370.99	2.30E-08	0.00E+00	0.00E+00	0.00E+00	2.30E-08	3.54E-09	0.00E+00	0.00E+00	0.00E+00	3.54E-09	2.35E-09	0.00E+00	0.00E+00	0.00E+00	2.35E-09
5503	380026.59	3736370.99	2.38E-08	0.00E+00	0.00E+00	0.00E+00	2.38E-08	3.67E-09	0.00E+00	0.00E+00	0.00E+00	3.67E-09	2.44E-09	0.00E+00	0.00E+00	0.00E+00	2.44E-09
5504	380046.59	3736370.99	2.48E-08	0.00E+00	0.00E+00	0.00E+00	2.48E-08	3.83E-09	0.00E+00	0.00E+00	0.00E+00	3.83E-09	2.54E-09	0.00E+00	0.00E+00	0.00E+00	2.54E-09
5505	380066.59	3736370.99	2.61E-08	0.00E+00	0.00E+00	0.00E+00	2.61E-08	4.02E-09	0.00E+00	0.00E+00	0.00E+00	4.02E-09	2.67E-09	0.00E+00	0.00E+00	0.00E+00	2.67E-09
5506	379726.59	3736390.99	1.42E-08	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.19E-09	0.00E+00	0.00E+00	0.00E+00	2.19E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09
5507	379746.59	3736390.99	1.46E-08	0.00E+00	0.00E+00	0.00E+00	1.46E-08	2.25E-09	0.00E+00	0.00E+00	0.00E+00	2.25E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09
5508	379766.59	3736390.99	1.50E-08	0.00E+00	0.00E+00	0.00E+00	1.50E-08	2.32E-09	0.00E+00	0.00E+00	0.00E+00	2.32E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09
5509	379786.59	3736390.99	1.56E-08	0.00E+00	0.00E+00	0.00E+00	1.56E-08	2.40E-09	0.00E+00	0.00E+00	0.00E+00	2.40E-09	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09
5510	379806.59	3736390.99	1.61E-08	0.00E+00	0.00E+00	0.00E+00	1.61E-08	2.48E-09	0.00E+00	0.00E+00	0.00E+00	2.48E-09	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09
5511	379826.59	3736390.99	1.67E-08	0.00E+00	0.00E+00	0.00E+00	1.67E-08	2.57E-09	0.00E+00	0.00E+00	0.00E+00	2.57E-09	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09
5512	379846.59	3736390.99	1.72E-08	0.00E+00	0.00E+00	0.00E+00	1.72E-08	2.65E-09	0.00E+00	0.00E+00	0.00E+00	2.65E-09	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09
5513	379866.59	3736390.99	1.78E-08	0.00E+00	0.00E+00	0.00E+00	1.78E-08	2.74E-09	0.00E+00	0.00E+00	0.00E+00	2.74E-09	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09
5514	379886.59	3736390.99	1.84E-08	0.00E+00	0.00E+00	0.00E+00	1.84E-08	2.84E-09	0.00E+00	0.00E+00	0.00E+00	2.84E-09	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09
5515	379906.59	3736390.99	1.90E-08	0.00E+00	0.00E+00	0.00E+00	1.90E-08	2.93E-09	0.00E+00	0.00E+00	0.00E+00	2.93E-09	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09
5516	379926.59	3736390.99	1.97E-08	0.00E+00	0.00E+00	0.00E+00	1.97E-08	3.03E-09	0.00E+00	0.00E+00	0.00E+00	3.03E-09	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09
5517	379946.59	3736390.99	2.04E-08	0.00E+00	0.00E+00	0.00E+00	2.04E-08	3.15E-09	0.00E+00	0.00E+00	0.00E+00	3.15E-09	2.09E-09	0.00E+00	0.00E+00	0.00E+00	2.09E-09
5518	379966.59	3736390.99	2.12E-08	0.00E+00	0.00E+00	0.00E+00	2.12E-08	3.27E-09	0.00E+00	0.00E+00	0.00E+00	3.27E-09	2.17E-09	0.00E+00	0.00E+00	0.00E+00	2.17E-09
5519	379986.59	3736390.99	2.20E-08	0.00E+00	0.00E+00	0.00E+00	2.20E-08	3.39E-09	0.00E+00	0.00E+00	0.00E+00	3.39E-09	2.25E-09	0.00E+00	0.00E+00	0.00E+00	2.25E-09
5520	380006.59	3736390.99	2.28E-08	0.00E+00	0.00E+00	0.00E+00	2.28E-08	3.51E-09	0.00E+00	0.00E+00	0.00E+00	3.51E-09	2.33E-09	0.00E+00	0.00E+00	0.00E+00	2.33E-09
5521	380026.59	3736390.99	2.36E-08	0.00E+00	0.00E+00	0.00E+00	2.36E-08	3.64E-09	0.00E+00	0.00E+00	0.00E+00	3.64E-09	2.42E-09	0.00E+00	0.00E+00	0.00E+00	2.42E-09
5522	380046.59	3736390.99	2.46E-08	0.00E+00	0.00E+00	0.00E+00	2.46E-08	3.79E-09	0.00E+00	0.00E+00	0.00E+00	3.79E-09	2.52E-09	0.00E+00	0.00E+00	0.00E+00	2.52E-09
5523	380066.59	3736390.99	2.59E-08	0.00E+00	0.00E+00	0.00E+00	2.59E-08	3.98E-09	0.00E+00	0.00E+00	0.00E+00	3.98E-09	2.65E-09	0.00E+00	0.00E+00	0.00E+00	2.65E-09
5524	379726.59	3736410.99	1.41E-08	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.18E-09	0.00E+00	0.00E+00	0.00E+00	2.18E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09
5525	379746.59	3736410.99	1.45E-08	0.00E+00	0.00E+00	0.00E+00	1.45E-08	2.23E-09	0.00E+00	0.00E+00	0.00E+00	2.23E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09
5526	379766.59	3736410.99	1.49E-08	0.00E+00	0.00E+00	0.00E+00	1.49E-08	2.30E-09	0.00E+00	0.00E+00	0.00E+00	2.30E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09
5527	379786.59	3736410.99	1.54E-08	0.00E+00	0.00E+00	0.00E+00	1.54E-08	2.38E-09	0.00E+00	0.00E+00	0.00E+00	2.38E-09	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09
5528	379806.59	3736410.99	1.59E-08	0.00E+00	0.00E+00	0.00E+00	1.59E-08	2.46E-09	0.00E+00	0.00E+00	0.00E+00	2.46E-09	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09
5529	379826.59	3736410.99	1.65E-08	0.00E+00	0.00E+00	0.00E+00	1.65E-08	2.54E-09	0.00E+00	0.00E+00	0.00E+00	2.54E-09	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09
5530	379846.59	3736410.99	1.71E-08	0.00E+00	0.00E+00	0.00E+00	1.71E-08	2.63E-09	0.00E+00	0.00E+00	0.00E+00	2.63E-09	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09
5531	379866.59	3736410.99	1.76E-08	0.00E+00	0.00E+00	0.00E+00	1.76E-08	2.72E-09	0.00E+00	0.00E+00	0.00E+00	2.72E-09	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09
5532	379886.59	3736410.99	1.82E-08	0.00E+00	0.00E+00	0.00E+00	1.82E-08	2.81E-09	0.00E+00	0.00E+00	0.00E+00	2.81E-09	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09
5533	379906.59	3736410.99	1.88E-08	0.00E+00	0.00E+00	0.00E+00	1.88E-08	2.90E-09	0.00E+00	0.00E+00	0.00E+00	2.90E-09	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09
5534	379926.59	3736410.99	1.95E-08	0.00E+00	0.00E+00	0.00E+00	1.95E-08	3.00E-09	0.00E+00	0.00E+00	0.00E+00	3.00E-09	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09
5535	379946.59	3736410.99	2.02E-08	0.00E+00	0.00E+00	0.00E+00	2.02E-08	3.12E-09	0.00E+00	0.00E+00	0.00E+00	3.12E-09	2.07E-09	0.00E+00	0.00E+00	0.00E+00	2.07E-09
5536	379966.59	3736410.99	2.10E-08	0.00E+00	0.00E+00	0.00E+00	2.10E-08	3.24E-09	0.00E+00	0.00E+00	0.00E+00	3.24E-09	2.15E-09	0.00E+00	0.00E+00	0.00E+00	2.15E-09
5537	379986.59	3736410.99	2.18E-08	0.00E+00	0.00E+00	0.00E+00	2.18E-08	3.36E-09	0.00E+00	0.00E+00	0.00E+00	3.36E-09	2.23E-09	0.00E+00	0.00E+00	0.00E+00	2.23E-09
5538	380006.59	3736410.99	2.25E-08	0.00E+00	0.00E+00	0.00E+00	2.25E-08	3.47E-09	0.00E+00	0.00E+00	0.00E+00	3.47E-09	2.31E-09	0.00E+00	0.00E+00	0.00E+00	2.31E-09
5539	380026.59	3736410.99	2.33E-08	0.00E+00	0.00E+00	0.00E+00	2.33E-08	3.60E-09	0.00E+00	0.00E+00	0.00E+00	3.60E-09	2.39E-09	0.00E+00	0.00E+00	0.00E+00	2.39E-09
5540	380046.59	3736410.99	2.43E-08	0.00E+00	0.00E+00	0.00E+00	2.43E-08	3.75E-09	0.00E+00	0.00E+00	0.00E+00	3.75E-09	2.49E-09	0.00E+00	0.00E+00	0.00E+00	2.49E-09
5541	380066.59	3736410.99	2.55E-08	0.00E+00	0.00E+00	0.00E+00	2.55E-08	3.93E-09	0.00E+00	0.00E+00	0.00E+00	3.93E-09	2.61E-09	0.00E+00	0.00E+00	0.00E+00	2.61E-09
5542	379726.59	3736430.99	1.41E-08	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.17E-09	0.00E+00	0.00E+00	0.00E+00	2.17E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09
5543	379746.59	3736430.99	1.44E-08	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.22E-09	0.00E+00	0.00E+00	0.00E+00	2.22E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09
5544	379766.59	3736430.99	1.48E-08	0.00E+00	0.00E+00	0.00E+00	1.48E-08	2.28E-09	0.00E+00	0.00E+00	0.00E+00	2.28E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09
5545	379786.59	3736430.99	1.53E-08	0.00E+00	0.00E+00	0.00E+00	1.53E-08	2.35E-09	0.00E+00	0.00E+00	0.00E+00	2.35E-09	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09
5546	379806.59	3736430.99	1.58E-08	0.00E+00	0.00E+00	0.00E+00	1.58E-08	2.43E-09	0.00E+00	0.00E+00	0.00E+00	2.43E-09	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09
5547	379826.59	3736430.99	1.63E-08	0.00E+00	0.00E+00	0.00E+00	1.63E-08	2.52E-09	0.00E+00	0.00E+00	0.00E+00	2.52E-09	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09
5548	379846.59	3736430.99	1.69E-08	0.00E+00	0.00E+00	0.00E+00	1.69E-08	2.61E-09	0.00E+00	0.00E+00	0.00E+00	2.61E-09	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09
5549	379866.59	3736430.99	1.75E-08	0.00E+00	0.00E+00	0.00E+00	1.75E-08	2.70E-09	0.00E+00	0.00E+00	0.00E+00	2.70E-09	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09
5550	379886.59	3736430.99	1.81E-08	0.00E+00	0.00E+00	0.00E+00	1.81E-08	2.79E-09	0.00E+00	0.00E+00	0.00E+00	2.79E-09	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09
5551	379906.59	3736430.99	1.87E-08	0.00E+00	0.00E+00	0.00E+00	1.87E-08	2.88E-09	0.00E+00	0.00E+00	0.00E+00	2.88E-09	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09
5552	379926.59	3736430.99	1.93E-08	0.00E+00	0.00E+00	0.00E+00	1.93E-08	2.98E-09	0.00E+00	0.00E+00	0.00E+00	2.98E-09	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09
5553	379946.59	3736430.99	2.00E-08	0.00E+00	0.00E+00	0.00E+00	2.00E-08	3.09E-09	0.00E+00	0.00E+00	0.00E+00	3.09E-09	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09
5554	379966.59	3736430.99	2.08E-08	0.00E+00	0.00E+00	0.00E+00	2.08E-08	3.21E-09	0.00E+00	0.00E+00	0.00E+00	3.21E-09	2.13E-09	0.00E+00	0.00E+00	0.00E+00	2.13E-09
5555	379986.59	3736430.99	2.16E-08	0.00E+00	0.00E+00	0.00E+00	2.16E-08	3.33E-09	0.00E+00	0.00E+00	0.00E+00	3.33E-09	2.21E-09	0.00E+00	0.00E+00	0.00E+00	2.21E-09
5556	380006.59	3736430.99	2.23E-08	0.00E+00	0.00E+00	0.00E+00	2.23E-08	3.44E-09	0.00E+00	0.00E+00	0.00E+00	3.44E-09	2.29E-09	0.00E+00	0.00E+00	0.00E+00	2.29E-09
5557	380026.59	3736430.99	2.31E-08	0.00E+00	0.00E+00	0.00E+00	2.31E-08	3.56E-09	0.00E+00	0.00E+00	0.00E+00	3.56E-09	2.37E-09	0.00E+00	0.00E+00	0.00E+00	2.37E-09
5558	380046.59	3736430.99	2.40E-08	0.00E+00	0.00E+00	0.00E+00	2.40E-08	3.70E-09	0.00E+00	0.00E+00	0.00E+00	3.70E-09	2.46E-09	0.00E+00	0.00E+00	0.00E+00	2.46E-09
5559	379726.59	3736450.99	1.40E-08	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.16E-09	0.00E+00	0.00E+00	0.00E+00	2.16E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
5560	379746.59	3736450.99	1.43E-08	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.21E-09	0.00E+00	0.00E+00	0.00E+00	2.21E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09
5561	379766.59	3736450.99	1.47E-08	0.00E+00	0.00E+00	0.00E+00	1.47E-08	2.26E-09	0.00E+00	0.00E+00	0.00E+00	2.26E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09

5562	379786.59	3736450.99	1.51E-08	0.00E+00	0.00E+00	0.00E+00	1.51E-08	2.33E-09	0.00E+00	0.00E+00	0.00E+00	2.33E-09	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09
5563	379806.59	3736450.99	1.56E-08	0.00E+00	0.00E+00	0.00E+00	1.56E-08	2.41E-09	0.00E+00	0.00E+00	0.00E+00	2.41E-09	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09
5564	379826.59	3736450.99	1.62E-08	0.00E+00	0.00E+00	0.00E+00	1.62E-08	2.50E-09	0.00E+00	0.00E+00	0.00E+00	2.50E-09	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09
5565	379846.59	3736450.99	1.68E-08	0.00E+00	0.00E+00	0.00E+00	1.68E-08	2.59E-09	0.00E+00	0.00E+00	0.00E+00	2.59E-09	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09
5566	379866.59	3736450.99	1.74E-08	0.00E+00	0.00E+00	0.00E+00	1.74E-08	2.68E-09	0.00E+00	0.00E+00	0.00E+00	2.68E-09	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09
5567	379886.59	3736450.99	1.79E-08	0.00E+00	0.00E+00	0.00E+00	1.79E-08	2.76E-09	0.00E+00	0.00E+00	0.00E+00	2.76E-09	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09
5568	379906.59	3736450.99	1.85E-08	0.00E+00	0.00E+00	0.00E+00	1.85E-08	2.85E-09	0.00E+00	0.00E+00	0.00E+00	2.85E-09	1.90E-09	0.00E+00	0.00E+00	0.00E+00	1.90E-09
5569	379926.59	3736450.99	1.91E-08	0.00E+00	0.00E+00	0.00E+00	1.91E-08	2.95E-09	0.00E+00	0.00E+00	0.00E+00	2.95E-09	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09
5570	379946.59	3736450.99	1.99E-08	0.00E+00	0.00E+00	0.00E+00	1.99E-08	3.06E-09	0.00E+00	0.00E+00	0.00E+00	3.06E-09	2.03E-09	0.00E+00	0.00E+00	0.00E+00	2.03E-09
5571	379966.59	3736450.99	2.06E-08	0.00E+00	0.00E+00	0.00E+00	2.06E-08	3.18E-09	0.00E+00	0.00E+00	0.00E+00	3.18E-09	2.11E-09	0.00E+00	0.00E+00	0.00E+00	2.11E-09
5572	379986.59	3736450.99	2.14E-08	0.00E+00	0.00E+00	0.00E+00	2.14E-08	3.30E-09	0.00E+00	0.00E+00	0.00E+00	3.30E-09	2.19E-09	0.00E+00	0.00E+00	0.00E+00	2.19E-09
5573	380006.59	3736450.99	2.21E-08	0.00E+00	0.00E+00	0.00E+00	2.21E-08	3.41E-09	0.00E+00	0.00E+00	0.00E+00	3.41E-09	2.27E-09	0.00E+00	0.00E+00	0.00E+00	2.27E-09
5574	380026.59	3736450.99	2.29E-08	0.00E+00	0.00E+00	0.00E+00	2.29E-08	3.53E-09	0.00E+00	0.00E+00	0.00E+00	3.53E-09	2.34E-09	0.00E+00	0.00E+00	0.00E+00	2.34E-09
5575	380046.59	3736450.99	2.38E-08	0.00E+00	0.00E+00	0.00E+00	2.38E-08	3.66E-09	0.00E+00	0.00E+00	0.00E+00	3.66E-09	2.43E-09	0.00E+00	0.00E+00	0.00E+00	2.43E-09
5576	379726.59	3736470.99	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.14E-09	0.00E+00	0.00E+00	0.00E+00	2.14E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
5577	379746.59	3736470.99	1.43E-08	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.20E-09	0.00E+00	0.00E+00	0.00E+00	2.20E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09
5578	379766.59	3736470.99	1.46E-08	0.00E+00	0.00E+00	0.00E+00	1.46E-08	2.25E-09	0.00E+00	0.00E+00	0.00E+00	2.25E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09
5579	379786.59	3736470.99	1.50E-08	0.00E+00	0.00E+00	0.00E+00	1.50E-08	2.32E-09	0.00E+00	0.00E+00	0.00E+00	2.32E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09
5580	379806.59	3736470.99	1.55E-08	0.00E+00	0.00E+00	0.00E+00	1.55E-08	2.39E-09	0.00E+00	0.00E+00	0.00E+00	2.39E-09	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09
5581	379826.59	3736470.99	1.61E-08	0.00E+00	0.00E+00	0.00E+00	1.61E-08	2.47E-09	0.00E+00	0.00E+00	0.00E+00	2.47E-09	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09
5582	379846.59	3736470.99	1.67E-08	0.00E+00	0.00E+00	0.00E+00	1.67E-08	2.57E-09	0.00E+00	0.00E+00	0.00E+00	2.57E-09	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09
5583	379866.59	3736470.99	1.73E-08	0.00E+00	0.00E+00	0.00E+00	1.73E-08	2.66E-09	0.00E+00	0.00E+00	0.00E+00	2.66E-09	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09
5584	379886.59	3736470.99	1.78E-08	0.00E+00	0.00E+00	0.00E+00	1.78E-08	2.74E-09	0.00E+00	0.00E+00	0.00E+00	2.74E-09	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09
5585	379906.59	3736470.99	1.83E-08	0.00E+00	0.00E+00	0.00E+00	1.83E-08	2.83E-09	0.00E+00	0.00E+00	0.00E+00	2.83E-09	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09
5586	379926.59	3736470.99	1.90E-08	0.00E+00	0.00E+00	0.00E+00	1.90E-08	2.92E-09	0.00E+00	0.00E+00	0.00E+00	2.92E-09	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09
5587	379946.59	3736470.99	1.97E-08	0.00E+00	0.00E+00	0.00E+00	1.97E-08	3.03E-09	0.00E+00	0.00E+00	0.00E+00	3.03E-09	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09
5588	379966.59	3736470.99	2.04E-08	0.00E+00	0.00E+00	0.00E+00	2.04E-08	3.15E-09	0.00E+00	0.00E+00	0.00E+00	3.15E-09	2.09E-09	0.00E+00	0.00E+00	0.00E+00	2.09E-09
5589	379986.59	3736470.99	2.12E-08	0.00E+00	0.00E+00	0.00E+00	2.12E-08	3.27E-09	0.00E+00	0.00E+00	0.00E+00	3.27E-09	2.17E-09	0.00E+00	0.00E+00	0.00E+00	2.17E-09
5590	380006.59	3736470.99	2.19E-08	0.00E+00	0.00E+00	0.00E+00	2.19E-08	3.38E-09	0.00E+00	0.00E+00	0.00E+00	3.38E-09	2.25E-09	0.00E+00	0.00E+00	0.00E+00	2.25E-09
5591	380026.59	3736470.99	2.27E-08	0.00E+00	0.00E+00	0.00E+00	2.27E-08	3.50E-09	0.00E+00	0.00E+00	0.00E+00	3.50E-09	2.32E-09	0.00E+00	0.00E+00	0.00E+00	2.32E-09
5592	380046.59	3736470.99	2.35E-08	0.00E+00	0.00E+00	0.00E+00	2.35E-08	3.63E-09	0.00E+00	0.00E+00	0.00E+00	3.63E-09	2.41E-09	0.00E+00	0.00E+00	0.00E+00	2.41E-09
5593	379726.59	3736490.99	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.12E-09	0.00E+00	0.00E+00	0.00E+00	2.12E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
5594	379746.59	3736490.99	1.41E-08	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.18E-09	0.00E+00	0.00E+00	0.00E+00	2.18E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09
5595	379766.59	3736490.99	1.45E-08	0.00E+00	0.00E+00	0.00E+00	1.45E-08	2.24E-09	0.00E+00	0.00E+00	0.00E+00	2.24E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09
5596	379786.59	3736490.99	1.50E-08	0.00E+00	0.00E+00	0.00E+00	1.50E-08	2.31E-09	0.00E+00	0.00E+00	0.00E+00	2.31E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09
5597	379806.59	3736490.99	1.54E-08	0.00E+00	0.00E+00	0.00E+00	1.54E-08	2.38E-09	0.00E+00	0.00E+00	0.00E+00	2.38E-09	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09
5598	379826.59	3736490.99	1.60E-08	0.00E+00	0.00E+00	0.00E+00	1.60E-08	2.46E-09	0.00E+00	0.00E+00	0.00E+00	2.46E-09	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09
5599	379846.59	3736490.99	1.65E-08	0.00E+00	0.00E+00	0.00E+00	1.65E-08	2.55E-09	0.00E+00	0.00E+00	0.00E+00	2.55E-09	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09
5600	379866.59	3736490.99	1.71E-08	0.00E+00	0.00E+00	0.00E+00	1.71E-08	2.64E-09	0.00E+00	0.00E+00	0.00E+00	2.64E-09	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09
5601	379886.59	3736490.99	1.76E-08	0.00E+00	0.00E+00	0.00E+00	1.76E-08	2.72E-09	0.00E+00	0.00E+00	0.00E+00	2.72E-09	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09
5602	379906.59	3736490.99	1.82E-08	0.00E+00	0.00E+00	0.00E+00	1.82E-08	2.80E-09	0.00E+00	0.00E+00	0.00E+00	2.80E-09	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09
5603	379926.59	3736490.99	1.88E-08	0.00E+00	0.00E+00	0.00E+00	1.88E-08	2.90E-09	0.00E+00	0.00E+00	0.00E+00	2.90E-09	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09
5604	379946.59	3736490.99	1.95E-08	0.00E+00	0.00E+00	0.00E+00	1.95E-08	3.01E-09	0.00E+00	0.00E+00	0.00E+00	3.01E-09	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09
5605	379966.59	3736490.99	2.03E-08	0.00E+00	0.00E+00	0.00E+00	2.03E-08	3.12E-09	0.00E+00	0.00E+00	0.00E+00	3.12E-09	2.07E-09	0.00E+00	0.00E+00	0.00E+00	2.07E-09
5606	379986.59	3736490.99	2.10E-08	0.00E+00	0.00E+00	0.00E+00	2.10E-08	3.24E-09	0.00E+00	0.00E+00	0.00E+00	3.24E-09	2.15E-09	0.00E+00	0.00E+00	0.00E+00	2.15E-09
5607	380006.59	3736490.99	2.17E-08	0.00E+00	0.00E+00	0.00E+00	2.17E-08	3.35E-09	0.00E+00	0.00E+00	0.00E+00	3.35E-09	2.23E-09	0.00E+00	0.00E+00	0.00E+00	2.23E-09
5608	380026.59	3736490.99	2.25E-08	0.00E+00	0.00E+00	0.00E+00	2.25E-08	3.47E-09	0.00E+00	0.00E+00	0.00E+00	3.47E-09	2.31E-09	0.00E+00	0.00E+00	0.00E+00	2.31E-09
5609	380046.59	3736490.99	2.34E-08	0.00E+00	0.00E+00	0.00E+00	2.34E-08	3.60E-09	0.00E+00	0.00E+00	0.00E+00	3.60E-09	2.39E-09	0.00E+00	0.00E+00	0.00E+00	2.39E-09
5610	379726.59	3736510.99	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.11E-09	0.00E+00	0.00E+00	0.00E+00	2.11E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09
5611	379746.59	3736510.99	1.40E-08	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.16E-09	0.00E+00	0.00E+00	0.00E+00	2.16E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09
5612	379766.59	3736510.99	1.44E-08	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.22E-09	0.00E+00	0.00E+00	0.00E+00	2.22E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09
5613	379786.59	3736510.99	1.49E-08	0.00E+00	0.00E+00	0.00E+00	1.49E-08	2.29E-09	0.00E+00	0.00E+00	0.00E+00	2.29E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09
5614	379806.59	3736510.99	1.53E-08	0.00E+00	0.00E+00	0.00E+00	1.53E-08	2.36E-09	0.00E+00	0.00E+00	0.00E+00	2.36E-09	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09
5615	379826.59	3736510.99	1.58E-08	0.00E+00	0.00E+00	0.00E+00	1.58E-08	2.44E-09	0.00E+00	0.00E+00	0.00E+00	2.44E-09	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09
5616	379846.59	3736510.99	1.64E-08	0.00E+00	0.00E+00	0.00E+00	1.64E-08	2.52E-09	0.00E+00	0.00E+00	0.00E+00	2.52E-09	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09
5617	379866.59	3736510.99	1.69E-08	0.00E+00	0.00E+00	0.00E+00	1.69E-08	2.61E-09	0.00E+00	0.00E+00	0.00E+00	2.61E-09	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09
5618	379886.59	3736510.99	1.75E-08	0.00E+00	0.00E+00	0.00E+00	1.75E-08	2.69E-09	0.00E+00	0.00E+00	0.00E+00	2.69E-09	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09
5619	379906.59	3736510.99	1.80E-08	0.00E+00	0.00E+00	0.00E+00	1.80E-08	2.78E-09	0.00E+00	0.00E+00	0.00E+00	2.78E-09	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09
5620	379926.59	3736510.99	1.86E-08	0.00E+00	0.00E+00	0.00E+00	1.86E-08	2.87E-09	0.00E+00	0.00E+00	0.00E+00	2.87E-09	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09
5621	379946.59	3736510.99	1.93E-08	0.00E+00	0.00E+00	0.00E+00	1.93E-08	2.98E-09	0.00E+00	0.00E+00	0.00E+00	2.98E-09	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09
5622	379966.59	3736510.99	2.00E-08	0.00E+00	0.00E+00	0.00E+00	2.00E-08	3.09E-09	0.00E+00	0.00E+00	0.00E+00	3.09E-09	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09
5623	379986.59	3736510.99	2.08E-08	0.00E+00	0.00E+00	0.00E+00	2.08E-08	3.20E-09	0.00E+00	0.00E+00	0.00E+00	3.20E-09	2.13E-09	0.00E+00	0.00E+00	0.00E+00	2.13E-09
5624	380006.59	3736510.99	2.15E-08	0.00E+00	0.00E+00	0.00E+00	2.15E-08	3.31E-09	0.00E+00	0.00E+00	0.00E+00	3.31E-09	2.20E-09	0.00E+00	0.00E+00	0.00E+00	2.20E-09
5625	380026.59	3736510.99	2.23E-08	0.00E+00	0.00E+00	0.00E+00	2.23E-08	3.44E-09	0.00E+00	0.00E+00	0.00E+00	3.44E-09	2.28E-09	0.00E+00	0.00E+00	0.00E+00	2.28E-09
5626	380046.59	3736510.99	2.32E-08	0.00E+00	0.00E+00	0.00E+00	2.32E-08	3.57E-09	0.00E+00	0.00E+00	0.00E+00	3.57E-09	2.37E-09	0.00E+00	0.00E+00	0.00E+00	2.37E-09
5627	379726.59	3736530.99	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.09E-09	0.00E+00	0.00E+00	0.00E+00	2.09E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
5628	379746.59	3736530.99	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.14E-09	0.00E+00	0.00E+00	0.00E+00	2.14E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09
5629	379766.59	3736530.99	1.43E-08	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.20E-09	0.00E+00	0.00E+00	0.00E+00	2.20E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09
5630	379786.59	3736530.99	1.47E-08	0.00E+00	0.00E+00	0.00E+00	1.47E-08	2.27E-09	0.00E+00	0.00E+00	0.00E+00	2.27E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09
5631	379806.59	3736530.99	1.52E-08	0.00E+00	0.00E+00	0.00E+00	1.52E-08	2.34E-09	0.00E+00	0.00E+00	0.00E+00	2.34E-09	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09
5632	379826.59	3736530.99	1.57E-08	0.00E+00	0.00E+00	0.00E+00	1.57E-08	2.42E-09	0.00E+00	0.00E+00	0.00E+00	2.42E-09	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09
5633	379846.59	3736530.99	1.62E-08	0.00E+00	0.00E+00	0.00E+00	1.62E-08	2.50E-09	0.00E+00	0.00E+00	0.00E+00	2.50E-09	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09
5634	379866.59	3736530.99	1.68E-08	0.00E+00	0.00E+00	0.00E+00	1.68E-08	2.59E-09	0.00E+00	0.00E+00	0.00E+00	2.59E-09	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09
5635	379886.59	3736530.99	1.73E-08	0.00E+00	0.00E+00	0.00E+00	1.73E-08	2.67E-09	0.00E+00	0.00E+00	0.00E+00	2.67E-09	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09
5636	379906.59	3736530.99	1.78E-08	0.00E+00	0.00E+00	0.00E+00	1.78E-08	2.75E-09	0.00E+00	0.00E+00	0.00E+00	2.75E-09	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09
5637	379926.59	3736530.99	1.84E-08	0.00E+00	0.00E+00	0.00E+00	1.84E-08	2.84E-09	0.00E+00	0.00E+00	0.00E+00	2.84E-09	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09
5638	379946.59	3736530.99	1.91E-08	0.00E+00	0.00E+00	0.00E+00	1.91E-08	2.94E-09	0.00E+00	0.00E+00	0.00E+00	2.94E-09	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09
5639	379966.59	3736530.99	1.98E-08	0.00E+00	0.00E+00	0.00E+00	1.98E-08	3.05E-09	0.00E+00	0.00E+00	0.00E+00	3.05E-09	2.03E-09	0.00E+00	0.00E+00	0.00E+00	2.03E-09
5640	379986.59	3736530.99	2.05E-08	0.00E+00	0.00E+00	0.00E+00	2.05E-08	3.16E-09	0.00E+00	0.00E+00	0.00E+00	3.16E-09	2.10E-09	0.00E+00	0.00E+00	0.00E+00	2.10E-09
5641	380006.59	3736530.99	2.13E-08	0.00E+00	0.00E+00	0.00E+00	2.13E-08	3.28E-09	0.00E+00	0.00E+00	0.00E+00	3.28E-09	2.18E-09	0.00E+00	0.00E+00	0.00E+00	2.18E-09
5642	380026.59	3736530.99	2.21E-08	0.00E+00	0.00E+00	0.00E+00	2.21E-08	3.40E-09	0.00E+00	0.00E+00	0.00E+00	3.40E-09	2.26E-09	0.00E+00	0.00E+00	0.00E+00	2.26E-09
5643	380046.59	3736530.99	2.30E-08	0.00E+00	0.00E+00	0.00E+00	2.30E-08	3.54E-09	0.00E+00	0.00E+00	0.00E+00	3.54E-09	2.35E-09	0.00E+00	0.00E+00	0.00E+00	2.35E-09
5644	379726.59	3736550.99	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.07E-09	0.00E+00	0.00E+00	0.00E+00	2.07E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
5645	379746.59	3736550.99	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.13E-09	0.00E+00	0.00E+00	0.00E+00	2.13E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09
5646	379766.59	3736550.99	1.42E-08	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.19E-09	0.00E+00	0.00E+00	0.00E+00	2.19E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09
5647	379786.59	3736550.99	1.46E-08	0.00E+00	0.00E+00	0.00E+00	1.46E-08	2.25E-09	0.00E+00	0.00E+00	0.00E+00	2.25E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09
5648	379806.59	3736550.99	1.50E-08	0.00E+00	0.00E+00	0.00E+00	1.50E-08	2.32E-09	0.00E+00	0.00E+00	0.00E+00	2.32E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09
5649	379826.59	3736550.99	1.55E-08	0.00E+00	0.00E+00	0.00E+00	1.55E-08	2.39E-09	0.00E+00	0.00E+00	0.00E+00	2.39E-09	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09
5650	379846.59	3736550.99	1.61E-08	0.00E+00	0.00E+00	0.00E+00	1.61E-08	2.48E-09	0.00E+00	0.00E+00	0.00E+00	2.48E-09	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09
5651	379866.59	3736550.99	1.66E-08	0.00E+00	0.00E+00	0.00E+00	1.66E-08	2.57E-09	0.00E+00	0.00E+00	0.00E+00	2.57E-09	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09
5652	379886.59	3736550.99	1.72E-08	0.00E+00	0.00E+00	0.00E+00	1.72E-08	2.64E-09	0.00E+00	0.00E+00	0.00E+00	2.64E-09	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09
5653	379906.59	3736550.99	1.77E-08	0.00E+00	0.00E+00	0.00E+00	1.77E-08	2.72E-09	0.00E+00	0.00E+00	0.00E+00	2.72E-09	1.81E-09	0.00E+00	0.00E+00	0.00E+00	1.81E-09
5654	379926.59	3736550.99	1.82E-08	0.00E+00	0.00E+00	0.00E+00	1.82E-08	2.81E-09	0.00E+00	0.00E+00	0.00E+00	2.81E-09	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09
5655	379946.59	3736550.99	1.88E-08	0.00E+00	0.00E+00	0.00E+00	1.88E-08	2.90E-09	0.00E+00	0.00E+00	0.00E+00	2.90E-09	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09
5656	379966.59	3736550.99	1.96E-08	0.00E+00	0.00E+00	0.00E+00	1.96E-08	3.01E-09	0.00E+00	0.00E+00	0.00E+00	3.01E-09	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09
5657	379986.59	3736550.99	2.03E-08	0.00E+00	0.00E+00	0.00E+00	2.03E-08	3.13E-09	0.00E+00	0.00E+00	0.00E+00	3.13E-09	2.08E-09	0.00E+00	0.00E+00	0.00E+00	2.08E-09
5658	380006.59	3736550.99	2.11E-08	0.00E+00	0.00E+00	0.00E+00	2.11E-08	3.26E-09	0.00E+00	0.00E+00	0.00E+00	3.26E-09	2.16E-09	0.00E+00	0.00E+00	0.00E+00	2.16E-09
5659	380026.59	3736550.99	2.20E-08	0.00E+00	0.00E+00	0.00E+00	2.20E-08	3.38E-09	0.00E+00	0.00E+00	0.00E+00	3.38E-09	2.25E-09	0.00E+00	0.00E+00	0.00E+00	2.25E-09
5660	380046.59	3736550.99	2.29E-08	0.00E+00	0.00E+00	0.00E+00	2.29E-08	3.52E-09	0.00E+00	0.00E+00	0.00E+00	3.52E-09	2.34E-09	0.00E+00	0.00E+00	0.00E+00	2.34E-09
5661	379726.59	3736570.99	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.06E-09	0.00E+00	0.00E+00	0.00E+00	2.06E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
5662	379746.59	3736570.99	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.12E-09	0.00E+00	0.00E+00	0.00E+00	2.12E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
5663	379766.59	3736570.99	1.41E-08	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.18E-09	0.00E+00	0.00E+00	0.00E+00	2.18E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09
5664	379786.59	3736570.99	1.45E-08	0.00E+00	0.00E+00	0.00E+00	1.45E-08	2.23E-09	0.00E+00	0.00E+00	0.00E+00	2.23E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09
5665	379806.59	3736570.99	1.49E-08	0.00E+00	0.00E+00	0.00E+00	1.49E-08	2.29E-09	0.00E+00	0.00E+00	0.00E+00	2.29E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09
5666	379826.59	3736570.99	1.54E-08	0.00E+00	0.00E+00	0.00E+00	1.54E-08	2.37E-09	0.00E+00	0.00E+00	0.00E+00	2.37E-09	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09

5667	379846.59	3736570.99	1.59E-08	0.00E+00	0.00E+00	0.00E+00	1.59E-08	2.45E-09	0.00E+00	0.00E+00	0.00E+00	2.45E-09	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09
5668	379866.59	3736570.99	1.64E-08	0.00E+00	0.00E+00	0.00E+00	1.64E-08	2.53E-09	0.00E+00	0.00E+00	0.00E+00	2.53E-09	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09
5669	379886.59	3736570.99	1.70E-08	0.00E+00	0.00E+00	0.00E+00	1.70E-08	2.61E-09	0.00E+00	0.00E+00	0.00E+00	2.61E-09	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09
5670	379906.59	3736570.99	1.75E-08	0.00E+00	0.00E+00	0.00E+00	1.75E-08	2.69E-09	0.00E+00	0.00E+00	0.00E+00	2.69E-09	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09
5671	379926.59	3736570.99	1.80E-08	0.00E+00	0.00E+00	0.00E+00	1.80E-08	2.77E-09	0.00E+00	0.00E+00	0.00E+00	2.77E-09	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09
5672	379946.59	3736570.99	1.86E-08	0.00E+00	0.00E+00	0.00E+00	1.86E-08	2.86E-09	0.00E+00	0.00E+00	0.00E+00	2.86E-09	1.90E-09	0.00E+00	0.00E+00	0.00E+00	1.90E-09
5673	379966.59	3736570.99	1.93E-08	0.00E+00	0.00E+00	0.00E+00	1.93E-08	2.97E-09	0.00E+00	0.00E+00	0.00E+00	2.97E-09	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09
5674	379986.59	3736570.99	2.00E-08	0.00E+00	0.00E+00	0.00E+00	2.00E-08	3.09E-09	0.00E+00	0.00E+00	0.00E+00	3.09E-09	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09
5675	380006.59	3736570.99	2.09E-08	0.00E+00	0.00E+00	0.00E+00	2.09E-08	3.22E-09	0.00E+00	0.00E+00	0.00E+00	3.22E-09	2.14E-09	0.00E+00	0.00E+00	0.00E+00	2.14E-09
5676	380026.59	3736570.99	2.18E-08	0.00E+00	0.00E+00	0.00E+00	2.18E-08	3.35E-09	0.00E+00	0.00E+00	0.00E+00	3.35E-09	2.23E-09	0.00E+00	0.00E+00	0.00E+00	2.23E-09
5677	380046.59	3736570.99	2.27E-08	0.00E+00	0.00E+00	0.00E+00	2.27E-08	3.50E-09	0.00E+00	0.00E+00	0.00E+00	3.50E-09	2.33E-09	0.00E+00	0.00E+00	0.00E+00	2.33E-09
5678	379726.59	3736590.99	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
5679	379746.59	3736590.99	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.10E-09	0.00E+00	0.00E+00	0.00E+00	2.10E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09
5680	379766.59	3736590.99	1.40E-08	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.16E-09	0.00E+00	0.00E+00	0.00E+00	2.16E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
5681	379786.59	3736590.99	1.43E-08	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.21E-09	0.00E+00	0.00E+00	0.00E+00	2.21E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09
5682	379806.59	3736590.99	1.47E-08	0.00E+00	0.00E+00	0.00E+00	1.47E-08	2.27E-09	0.00E+00	0.00E+00	0.00E+00	2.27E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09
5683	379826.59	3736590.99	1.52E-08	0.00E+00	0.00E+00	0.00E+00	1.52E-08	2.34E-09	0.00E+00	0.00E+00	0.00E+00	2.34E-09	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09
5684	379846.59	3736590.99	1.57E-08	0.00E+00	0.00E+00	0.00E+00	1.57E-08	2.41E-09	0.00E+00	0.00E+00	0.00E+00	2.41E-09	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09
5685	379866.59	3736590.99	1.62E-08	0.00E+00	0.00E+00	0.00E+00	1.62E-08	2.49E-09	0.00E+00	0.00E+00	0.00E+00	2.49E-09	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09
5686	379886.59	3736590.99	1.67E-08	0.00E+00	0.00E+00	0.00E+00	1.67E-08	2.58E-09	0.00E+00	0.00E+00	0.00E+00	2.58E-09	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09
5687	379906.59	3736590.99	1.72E-08	0.00E+00	0.00E+00	0.00E+00	1.72E-08	2.65E-09	0.00E+00	0.00E+00	0.00E+00	2.65E-09	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09
5688	379926.59	3736590.99	1.77E-08	0.00E+00	0.00E+00	0.00E+00	1.77E-08	2.73E-09	0.00E+00	0.00E+00	0.00E+00	2.73E-09	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09
5689	379946.59	3736590.99	1.83E-08	0.00E+00	0.00E+00	0.00E+00	1.83E-08	2.82E-09	0.00E+00	0.00E+00	0.00E+00	2.82E-09	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09
5690	379966.59	3736590.99	1.89E-08	0.00E+00	0.00E+00	0.00E+00	1.89E-08	2.92E-09	0.00E+00	0.00E+00	0.00E+00	2.92E-09	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09
5691	379986.59	3736590.99	1.97E-08	0.00E+00	0.00E+00	0.00E+00	1.97E-08	3.03E-09	0.00E+00	0.00E+00	0.00E+00	3.03E-09	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09
5692	380006.59	3736590.99	2.05E-08	0.00E+00	0.00E+00	0.00E+00	2.05E-08	3.16E-09	0.00E+00	0.00E+00	0.00E+00	3.16E-09	2.10E-09	0.00E+00	0.00E+00	0.00E+00	2.10E-09
5693	380026.59	3736590.99	2.15E-08	0.00E+00	0.00E+00	0.00E+00	2.15E-08	3.31E-09	0.00E+00	0.00E+00	0.00E+00	3.31E-09	2.20E-09	0.00E+00	0.00E+00	0.00E+00	2.20E-09
5694	379726.59	3736610.99	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.03E-09	0.00E+00	0.00E+00	0.00E+00	2.03E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
5695	379746.59	3736610.99	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.08E-09	0.00E+00	0.00E+00	0.00E+00	2.08E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
5696	379766.59	3736610.99	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.14E-09	0.00E+00	0.00E+00	0.00E+00	2.14E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09
5697	379786.59	3736610.99	1.42E-08	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.20E-09	0.00E+00	0.00E+00	0.00E+00	2.20E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09
5698	379806.59	3736610.99	1.46E-08	0.00E+00	0.00E+00	0.00E+00	1.46E-08	2.25E-09	0.00E+00	0.00E+00	0.00E+00	2.25E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09
5699	379826.59	3736610.99	1.50E-08	0.00E+00	0.00E+00	0.00E+00	1.50E-08	2.32E-09	0.00E+00	0.00E+00	0.00E+00	2.32E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09
5700	379846.59	3736610.99	1.55E-08	0.00E+00	0.00E+00	0.00E+00	1.55E-08	2.38E-09	0.00E+00	0.00E+00	0.00E+00	2.38E-09	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09
5701	379866.59	3736610.99	1.59E-08	0.00E+00	0.00E+00	0.00E+00	1.59E-08	2.46E-09	0.00E+00	0.00E+00	0.00E+00	2.46E-09	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09
5702	379886.59	3736610.99	1.65E-08	0.00E+00	0.00E+00	0.00E+00	1.65E-08	2.54E-09	0.00E+00	0.00E+00	0.00E+00	2.54E-09	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09
5703	379906.59	3736610.99	1.70E-08	0.00E+00	0.00E+00	0.00E+00	1.70E-08	2.62E-09	0.00E+00	0.00E+00	0.00E+00	2.62E-09	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09
5704	379926.59	3736610.99	1.75E-08	0.00E+00	0.00E+00	0.00E+00	1.75E-08	2.70E-09	0.00E+00	0.00E+00	0.00E+00	2.70E-09	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09
5705	379946.59	3736610.99	1.81E-08	0.00E+00	0.00E+00	0.00E+00	1.81E-08	2.79E-09	0.00E+00	0.00E+00	0.00E+00	2.79E-09	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09
5706	379966.59	3736610.99	1.87E-08	0.00E+00	0.00E+00	0.00E+00	1.87E-08	2.89E-09	0.00E+00	0.00E+00	0.00E+00	2.89E-09	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09
5707	379986.59	3736610.99	1.95E-08	0.00E+00	0.00E+00	0.00E+00	1.95E-08	3.00E-09	0.00E+00	0.00E+00	0.00E+00	3.00E-09	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09
5708	380006.59	3736610.99	2.03E-08	0.00E+00	0.00E+00	0.00E+00	2.03E-08	3.13E-09	0.00E+00	0.00E+00	0.00E+00	3.13E-09	2.08E-09	0.00E+00	0.00E+00	0.00E+00	2.08E-09
5709	380026.59	3736610.99	2.12E-08	0.00E+00	0.00E+00	0.00E+00	2.12E-08	3.27E-09	0.00E+00	0.00E+00	0.00E+00	3.27E-09	2.18E-09	0.00E+00	0.00E+00	0.00E+00	2.18E-09
5710	379726.59	3736630.99	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
5711	379746.59	3736630.99	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.06E-09	0.00E+00	0.00E+00	0.00E+00	2.06E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
5712	379766.59	3736630.99	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.12E-09	0.00E+00	0.00E+00	0.00E+00	2.12E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
5713	379786.59	3736630.99	1.41E-08	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.18E-09	0.00E+00	0.00E+00	0.00E+00	2.18E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09
5714	379806.59	3736630.99	1.45E-08	0.00E+00	0.00E+00	0.00E+00	1.45E-08	2.24E-09	0.00E+00	0.00E+00	0.00E+00	2.24E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09
5715	379826.59	3736630.99	1.49E-08	0.00E+00	0.00E+00	0.00E+00	1.49E-08	2.30E-09	0.00E+00	0.00E+00	0.00E+00	2.30E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09
5716	379846.59	3736630.99	1.53E-08	0.00E+00	0.00E+00	0.00E+00	1.53E-08	2.36E-09	0.00E+00	0.00E+00	0.00E+00	2.36E-09	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09
5717	379866.59	3736630.99	1.57E-08	0.00E+00	0.00E+00	0.00E+00	1.57E-08	2.43E-09	0.00E+00	0.00E+00	0.00E+00	2.43E-09	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09
5718	379886.59	3736630.99	1.63E-08	0.00E+00	0.00E+00	0.00E+00	1.63E-08	2.51E-09	0.00E+00	0.00E+00	0.00E+00	2.51E-09	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09
5719	379906.59	3736630.99	1.68E-08	0.00E+00	0.00E+00	0.00E+00	1.68E-08	2.59E-09	0.00E+00	0.00E+00	0.00E+00	2.59E-09	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09
5720	379926.59	3736630.99	1.73E-08	0.00E+00	0.00E+00	0.00E+00	1.73E-08	2.67E-09	0.00E+00	0.00E+00	0.00E+00	2.67E-09	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09
5721	379946.59	3736630.99	1.79E-08	0.00E+00	0.00E+00	0.00E+00	1.79E-08	2.76E-09	0.00E+00	0.00E+00	0.00E+00	2.76E-09	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09
5722	379966.59	3736630.99	1.86E-08	0.00E+00	0.00E+00	0.00E+00	1.86E-08	2.86E-09	0.00E+00	0.00E+00	0.00E+00	2.86E-09	1.90E-09	0.00E+00	0.00E+00	0.00E+00	1.90E-09
5723	379986.59	3736630.99	1.93E-08	0.00E+00	0.00E+00	0.00E+00	1.93E-08	2.97E-09	0.00E+00	0.00E+00	0.00E+00	2.97E-09	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09
5724	380006.59	3736630.99	2.01E-08	0.00E+00	0.00E+00	0.00E+00	2.01E-08	3.09E-09	0.00E+00	0.00E+00	0.00E+00	3.09E-09	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09
5725	380026.59	3736630.99	2.10E-08	0.00E+00	0.00E+00	0.00E+00	2.10E-08	3.23E-09	0.00E+00	0.00E+00	0.00E+00	3.23E-09	2.15E-09	0.00E+00	0.00E+00	0.00E+00	2.15E-09
5726	379726.59	3736650.99	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
5727	379746.59	3736650.99	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
5728	379766.59	3736650.99	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.10E-09	0.00E+00	0.00E+00	0.00E+00	2.10E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09
5729	379786.59	3736650.99	1.40E-08	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.16E-09	0.00E+00	0.00E+00	0.00E+00	2.16E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09
5730	379806.59	3736650.99	1.44E-08	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.22E-09	0.00E+00	0.00E+00	0.00E+00	2.22E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09
5731	379826.59	3736650.99	1.48E-08	0.00E+00	0.00E+00	0.00E+00	1.48E-08	2.28E-09	0.00E+00	0.00E+00	0.00E+00	2.28E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09
5732	379846.59	3736650.99	1.52E-08	0.00E+00	0.00E+00	0.00E+00	1.52E-08	2.34E-09	0.00E+00	0.00E+00	0.00E+00	2.34E-09	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09
5733	379866.59	3736650.99	1.56E-08	0.00E+00	0.00E+00	0.00E+00	1.56E-08	2.40E-09	0.00E+00	0.00E+00	0.00E+00	2.40E-09	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09
5734	379886.59	3736650.99	1.61E-08	0.00E+00	0.00E+00	0.00E+00	1.61E-08	2.48E-09	0.00E+00	0.00E+00	0.00E+00	2.48E-09	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09
5735	379906.59	3736650.99	1.66E-08	0.00E+00	0.00E+00	0.00E+00	1.66E-08	2.56E-09	0.00E+00	0.00E+00	0.00E+00	2.56E-09	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09
5736	379926.59	3736650.99	1.72E-08	0.00E+00	0.00E+00	0.00E+00	1.72E-08	2.64E-09	0.00E+00	0.00E+00	0.00E+00	2.64E-09	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09
5737	379946.59	3736650.99	1.78E-08	0.00E+00	0.00E+00	0.00E+00	1.78E-08	2.74E-09	0.00E+00	0.00E+00	0.00E+00	2.74E-09	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09
5738	379966.59	3736650.99	1.84E-08	0.00E+00	0.00E+00	0.00E+00	1.84E-08	2.84E-09	0.00E+00	0.00E+00	0.00E+00	2.84E-09	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09
5739	379986.59	3736650.99	1.91E-08	0.00E+00	0.00E+00	0.00E+00	1.91E-08	2.94E-09	0.00E+00	0.00E+00	0.00E+00	2.94E-09	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09
5740	380006.59	3736650.99	1.98E-08	0.00E+00	0.00E+00	0.00E+00	1.98E-08	3.05E-09	0.00E+00	0.00E+00	0.00E+00	3.05E-09	2.03E-09	0.00E+00	0.00E+00	0.00E+00	2.03E-09
5741	380026.59	3736650.99	2.06E-08	0.00E+00	0.00E+00	0.00E+00	2.06E-08	3.18E-09	0.00E+00	0.00E+00	0.00E+00	3.18E-09	2.11E-09	0.00E+00	0.00E+00	0.00E+00	2.11E-09
5742	379726.59	3736670.99	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
5743	379746.59	3736670.99	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
5744	379766.59	3736670.99	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.09E-09	0.00E+00	0.00E+00	0.00E+00	2.09E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
5745	379786.59	3736670.99	1.40E-08	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.15E-09	0.00E+00	0.00E+00	0.00E+00	2.15E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
5746	379806.59	3736670.99	1.43E-08	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.21E-09	0.00E+00	0.00E+00	0.00E+00	2.21E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09
5747	379826.59	3736670.99	1.47E-08	0.00E+00	0.00E+00	0.00E+00	1.47E-08	2.26E-09	0.00E+00	0.00E+00	0.00E+00	2.26E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09
5748	379846.59	3736670.99	1.50E-08	0.00E+00	0.00E+00	0.00E+00	1.50E-08	2.32E-09	0.00E+00	0.00E+00	0.00E+00	2.32E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09
5749	379866.59	3736670.99	1.54E-08	0.00E+00	0.00E+00	0.00E+00	1.54E-08	2.38E-09	0.00E+00	0.00E+00	0.00E+00	2.38E-09	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09
5750	379886.59	3736670.99	1.59E-08	0.00E+00	0.00E+00	0.00E+00	1.59E-08	2.46E-09	0.00E+00	0.00E+00	0.00E+00	2.46E-09	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09
5751	379906.59	3736670.99	1.65E-08	0.00E+00	0.00E+00	0.00E+00	1.65E-08	2.54E-09	0.00E+00	0.00E+00	0.00E+00	2.54E-09	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09
5752	379926.59	3736670.99	1.70E-08	0.00E+00	0.00E+00	0.00E+00	1.70E-08	2.62E-09	0.00E+00	0.00E+00	0.00E+00	2.62E-09	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09
5753	379946.59	3736670.99	1.76E-08	0.00E+00	0.00E+00	0.00E+00	1.76E-08	2.72E-09	0.00E+00	0.00E+00	0.00E+00	2.72E-09	1.81E-09	0.00E+00	0.00E+00	0.00E+00	1.81E-09
5754	379966.59	3736670.99	1.83E-08	0.00E+00	0.00E+00	0.00E+00	1.83E-08	2.82E-09	0.00E+00	0.00E+00	0.00E+00	2.82E-09	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09
5755	379986.59	3736670.99	1.90E-08	0.00E+00	0.00E+00	0.00E+00	1.90E-08	2.92E-09	0.00E+00	0.00E+00	0.00E+00	2.92E-09	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09
5756	380006.59	3736670.99	1.96E-08	0.00E+00	0.00E+00	0.00E+00	1.96E-08	3.03E-09	0.00E+00	0.00E+00	0.00E+00	3.03E-09	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09
5757	380026.59	3736670.99	2.04E-08	0.00E+00	0.00E+00	0.00E+00	2.04E-08	3.15E-09	0.00E+00	0.00E+00	0.00E+00	3.15E-09	2.09E-09	0.00E+00	0.00E+00	0.00E+00	2.09E-09
5758	379726.59	3736690.99	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
5759	379746.59	3736690.99	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
5760	379766.59	3736690.99	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.08E-09	0.00E+00	0.00E+00	0.00E+00	2.08E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
5761	379786.59	3736690.99	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.13E-09	0.00E+00	0.00E+00	0.00E+00	2.13E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09
5762	379806.59	3736690.99	1.42E-08	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.19E-09	0.00E+00	0.00E+00	0.00E+00	2.19E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09
5763	379826.59	3736690.99	1.45E-08	0.00E+00	0.00E+00	0.00E+00	1.45E-08	2.24E-09	0.00E+00	0.00E+00	0.00E+00	2.24E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09
5764	379846.59	3736690.99	1.49E-08	0.00E+00	0.00E+00	0.00E+00	1.49E-08	2.30E-09	0.00E+00	0.00E+00	0.00E+00	2.30E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09
5765	379866.59	3736690.99	1.53E-08	0.00E+00	0.00E+00	0.00E+00	1.53E-08	2.36E-09	0.00E+00	0.00E+00	0.00E+00	2.36E-09	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09
5766	379886.59	3736690.99	1.58E-08	0.00E+00	0.00E+00	0.00E+00	1.58E-08	2.44E-09	0.00E+00	0.00E+00	0.00E+00	2.44E-09	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09
5767	379906.59	3736690.99	1.63E-08	0.00E+00	0.00E+00	0.00E+00	1.63E-08	2.51E-09	0.00E+00	0.00E+00	0.00E+00	2.51E-09	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09
5768	379926.59	3736690.99	1.69E-08	0.00E+00	0.00E+00	0.00E+00	1.69E-08	2.60E-09	0.00E+00	0.00E+00	0.00E+00	2.60E-09	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09
5769	379946.59	3736690.99	1.75E-08	0.00E+00	0.00E+00	0.00E+00	1.75E-08	2.69E-09	0.00E+00	0.00E+00	0.00E+00	2.69E-09	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09
5770	379966.59	3736690.99	1.81E-08	0.00E+00	0.00E+00	0.00E+00	1.81E-08	2.79E-09	0.00E+00	0.00E+00	0.00E+00	2.79E-09	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09
5771	379986.59	3736690.99	1.87E-08	0.00E+00	0.00E+00	0.00E+00	1.87E-08	2.89E-09	0.00E+00	0.00E+00	0.00E+00	2.89E-09	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09

5772	380006.59	3736690.99	1.94E-08	0.00E+00	0.00E+00	0.00E+00	1.94E-08	2.99E-09	0.00E+00	0.00E+00	0.00E+00	2.99E-09	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09
5773	380026.59	3736690.99	2.01E-08	0.00E+00	0.00E+00	0.00E+00	2.01E-08	3.10E-09	0.00E+00	0.00E+00	0.00E+00	3.10E-09	2.06E-09	0.00E+00	0.00E+00	0.00E+00	2.06E-09
5774	379726.59	3736710.99	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
5775	379746.59	3736710.99	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
5776	379766.59	3736710.99	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.06E-09	0.00E+00	0.00E+00	0.00E+00	2.06E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
5777	379786.59	3736710.99	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.11E-09	0.00E+00	0.00E+00	0.00E+00	2.11E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09
5778	379806.59	3736710.99	1.40E-08	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.16E-09	0.00E+00	0.00E+00	0.00E+00	2.16E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09
5779	379826.59	3736710.99	1.44E-08	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.21E-09	0.00E+00	0.00E+00	0.00E+00	2.21E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09
5780	379846.59	3736710.99	1.47E-08	0.00E+00	0.00E+00	0.00E+00	1.47E-08	2.27E-09	0.00E+00	0.00E+00	0.00E+00	2.27E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09
5781	379866.59	3736710.99	1.52E-08	0.00E+00	0.00E+00	0.00E+00	1.52E-08	2.34E-09	0.00E+00	0.00E+00	0.00E+00	2.34E-09	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09
5782	379886.59	3736710.99	1.57E-08	0.00E+00	0.00E+00	0.00E+00	1.57E-08	2.42E-09	0.00E+00	0.00E+00	0.00E+00	2.42E-09	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09
5783	379906.59	3736710.99	1.62E-08	0.00E+00	0.00E+00	0.00E+00	1.62E-08	2.50E-09	0.00E+00	0.00E+00	0.00E+00	2.50E-09	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09
5784	379926.59	3736710.99	1.67E-08	0.00E+00	0.00E+00	0.00E+00	1.67E-08	2.58E-09	0.00E+00	0.00E+00	0.00E+00	2.58E-09	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09
5785	379946.59	3736710.99	1.73E-08	0.00E+00	0.00E+00	0.00E+00	1.73E-08	2.66E-09	0.00E+00	0.00E+00	0.00E+00	2.66E-09	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09
5786	379966.59	3736710.99	1.79E-08	0.00E+00	0.00E+00	0.00E+00	1.79E-08	2.75E-09	0.00E+00	0.00E+00	0.00E+00	2.75E-09	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09
5787	379986.59	3736710.99	1.84E-08	0.00E+00	0.00E+00	0.00E+00	1.84E-08	2.84E-09	0.00E+00	0.00E+00	0.00E+00	2.84E-09	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09
5788	380006.59	3736710.99	1.91E-08	0.00E+00	0.00E+00	0.00E+00	1.91E-08	2.94E-09	0.00E+00	0.00E+00	0.00E+00	2.94E-09	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09
5789	380026.59	3736710.99	1.98E-08	0.00E+00	0.00E+00	0.00E+00	1.98E-08	3.05E-09	0.00E+00	0.00E+00	0.00E+00	3.05E-09	2.03E-09	0.00E+00	0.00E+00	0.00E+00	2.03E-09
5790	379726.59	3736730.99	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
5791	379746.59	3736730.99	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
5792	379766.59	3736730.99	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
5793	379786.59	3736730.99	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.09E-09	0.00E+00	0.00E+00	0.00E+00	2.09E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
5794	379806.59	3736730.99	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.14E-09	0.00E+00	0.00E+00	0.00E+00	2.14E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
5795	379826.59	3736730.99	1.42E-08	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.19E-09	0.00E+00	0.00E+00	0.00E+00	2.19E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09
5796	379846.59	3736730.99	1.46E-08	0.00E+00	0.00E+00	0.00E+00	1.46E-08	2.25E-09	0.00E+00	0.00E+00	0.00E+00	2.25E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09
5797	379866.59	3736730.99	1.50E-08	0.00E+00	0.00E+00	0.00E+00	1.50E-08	2.31E-09	0.00E+00	0.00E+00	0.00E+00	2.31E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09
5798	379886.59	3736730.99	1.55E-08	0.00E+00	0.00E+00	0.00E+00	1.55E-08	2.39E-09	0.00E+00	0.00E+00	0.00E+00	2.39E-09	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09
5799	379906.59	3736730.99	1.60E-08	0.00E+00	0.00E+00	0.00E+00	1.60E-08	2.47E-09	0.00E+00	0.00E+00	0.00E+00	2.47E-09	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09
5800	379926.59	3736730.99	1.66E-08	0.00E+00	0.00E+00	0.00E+00	1.66E-08	2.55E-09	0.00E+00	0.00E+00	0.00E+00	2.55E-09	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09
5801	379946.59	3736730.99	1.71E-08	0.00E+00	0.00E+00	0.00E+00	1.71E-08	2.64E-09	0.00E+00	0.00E+00	0.00E+00	2.64E-09	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09
5802	379966.59	3736730.99	1.76E-08	0.00E+00	0.00E+00	0.00E+00	1.76E-08	2.72E-09	0.00E+00	0.00E+00	0.00E+00	2.72E-09	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09
5803	379986.59	3736730.99	1.82E-08	0.00E+00	0.00E+00	0.00E+00	1.82E-08	2.80E-09	0.00E+00	0.00E+00	0.00E+00	2.80E-09	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09
5804	380006.59	3736730.99	1.88E-08	0.00E+00	0.00E+00	0.00E+00	1.88E-08	2.90E-09	0.00E+00	0.00E+00	0.00E+00	2.90E-09	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09
5805	379726.59	3736750.99	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
5806	379746.59	3736750.99	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
5807	379766.59	3736750.99	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
5808	379786.59	3736750.99	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.07E-09	0.00E+00	0.00E+00	0.00E+00	2.07E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
5809	379806.59	3736750.99	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.13E-09	0.00E+00	0.00E+00	0.00E+00	2.13E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
5810	379826.59	3736750.99	1.41E-08	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.17E-09	0.00E+00	0.00E+00	0.00E+00	2.17E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09
5811	379846.59	3736750.99	1.44E-08	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.22E-09	0.00E+00	0.00E+00	0.00E+00	2.22E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09
5812	379866.59	3736750.99	1.48E-08	0.00E+00	0.00E+00	0.00E+00	1.48E-08	2.28E-09	0.00E+00	0.00E+00	0.00E+00	2.28E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09
5813	379886.59	3736750.99	1.54E-08	0.00E+00	0.00E+00	0.00E+00	1.54E-08	2.37E-09	0.00E+00	0.00E+00	0.00E+00	2.37E-09	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09
5814	379906.59	3736750.99	1.59E-08	0.00E+00	0.00E+00	0.00E+00	1.59E-08	2.45E-09	0.00E+00	0.00E+00	0.00E+00	2.45E-09	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09
5815	379926.59	3736750.99	1.64E-08	0.00E+00	0.00E+00	0.00E+00	1.64E-08	2.53E-09	0.00E+00	0.00E+00	0.00E+00	2.53E-09	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09
5816	379946.59	3736750.99	1.69E-08	0.00E+00	0.00E+00	0.00E+00	1.69E-08	2.61E-09	0.00E+00	0.00E+00	0.00E+00	2.61E-09	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09
5817	379966.59	3736750.99	1.74E-08	0.00E+00	0.00E+00	0.00E+00	1.74E-08	2.68E-09	0.00E+00	0.00E+00	0.00E+00	2.68E-09	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09
5818	379986.59	3736750.99	1.80E-08	0.00E+00	0.00E+00	0.00E+00	1.80E-08	2.77E-09	0.00E+00	0.00E+00	0.00E+00	2.77E-09	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09
5819	380006.59	3736750.99	1.86E-08	0.00E+00	0.00E+00	0.00E+00	1.86E-08	2.87E-09	0.00E+00	0.00E+00	0.00E+00	2.87E-09	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09
5820	379726.59	3736770.99	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
5821	379746.59	3736770.99	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
5822	379766.59	3736770.99	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
5823	379786.59	3736770.99	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
5824	379806.59	3736770.99	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.11E-09	0.00E+00	0.00E+00	0.00E+00	2.11E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09
5825	379826.59	3736770.99	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.15E-09	0.00E+00	0.00E+00	0.00E+00	2.15E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
5826	379846.59	3736770.99	1.43E-08	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.20E-09	0.00E+00	0.00E+00	0.00E+00	2.20E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09
5827	379866.59	3736770.99	1.47E-08	0.00E+00	0.00E+00	0.00E+00	1.47E-08	2.26E-09	0.00E+00	0.00E+00	0.00E+00	2.26E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09
5828	379886.59	3736770.99	1.52E-08	0.00E+00	0.00E+00	0.00E+00	1.52E-08	2.34E-09	0.00E+00	0.00E+00	0.00E+00	2.34E-09	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09
5829	379906.59	3736770.99	1.57E-08	0.00E+00	0.00E+00	0.00E+00	1.57E-08	2.42E-09	0.00E+00	0.00E+00	0.00E+00	2.42E-09	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09
5830	379926.59	3736770.99	1.62E-08	0.00E+00	0.00E+00	0.00E+00	1.62E-08	2.50E-09	0.00E+00	0.00E+00	0.00E+00	2.50E-09	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09
5831	379946.59	3736770.99	1.67E-08	0.00E+00	0.00E+00	0.00E+00	1.67E-08	2.58E-09	0.00E+00	0.00E+00	0.00E+00	2.58E-09	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09
5832	379966.59	3736770.99	1.72E-08	0.00E+00	0.00E+00	0.00E+00	1.72E-08	2.66E-09	0.00E+00	0.00E+00	0.00E+00	2.66E-09	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09
5833	379986.59	3736770.99	1.78E-08	0.00E+00	0.00E+00	0.00E+00	1.78E-08	2.74E-09	0.00E+00	0.00E+00	0.00E+00	2.74E-09	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09
5834	380006.59	3736770.99	1.84E-08	0.00E+00	0.00E+00	0.00E+00	1.84E-08	2.84E-09	0.00E+00	0.00E+00	0.00E+00	2.84E-09	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09
5835	379726.59	3736790.99	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
5836	379746.59	3736790.99	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
5837	379766.59	3736790.99	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
5838	379786.59	3736790.99	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.03E-09	0.00E+00	0.00E+00	0.00E+00	2.03E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
5839	379806.59	3736790.99	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.09E-09	0.00E+00	0.00E+00	0.00E+00	2.09E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
5840	379826.59	3736790.99	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.14E-09	0.00E+00	0.00E+00	0.00E+00	2.14E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09
5841	379846.59	3736790.99	1.42E-08	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.18E-09	0.00E+00	0.00E+00	0.00E+00	2.18E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09
5842	379866.59	3736790.99	1.45E-08	0.00E+00	0.00E+00	0.00E+00	1.45E-08	2.24E-09	0.00E+00	0.00E+00	0.00E+00	2.24E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09
5843	379886.59	3736790.99	1.51E-08	0.00E+00	0.00E+00	0.00E+00	1.51E-08	2.32E-09	0.00E+00	0.00E+00	0.00E+00	2.32E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09
5844	379906.59	3736790.99	1.55E-08	0.00E+00	0.00E+00	0.00E+00	1.55E-08	2.39E-09	0.00E+00	0.00E+00	0.00E+00	2.39E-09	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09
5845	379926.59	3736790.99	1.60E-08	0.00E+00	0.00E+00	0.00E+00	1.60E-08	2.47E-09	0.00E+00	0.00E+00	0.00E+00	2.47E-09	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09
5846	379946.59	3736790.99	1.65E-08	0.00E+00	0.00E+00	0.00E+00	1.65E-08	2.54E-09	0.00E+00	0.00E+00	0.00E+00	2.54E-09	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09
5847	379966.59	3736790.99	1.70E-08	0.00E+00	0.00E+00	0.00E+00	1.70E-08	2.62E-09	0.00E+00	0.00E+00	0.00E+00	2.62E-09	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09
5848	379986.59	3736790.99	1.76E-08	0.00E+00	0.00E+00	0.00E+00	1.76E-08	2.71E-09	0.00E+00	0.00E+00	0.00E+00	2.71E-09	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09
5849	380006.59	3736790.99	1.83E-08	0.00E+00	0.00E+00	0.00E+00	1.83E-08	2.82E-09	0.00E+00	0.00E+00	0.00E+00	2.82E-09	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09
5850	379726.59	3736810.99	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
5851	379746.59	3736810.99	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
5852	379766.59	3736810.99	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
5853	379786.59	3736810.99	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
5854	379806.59	3736810.99	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.06E-09	0.00E+00	0.00E+00	0.00E+00	2.06E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
5855	379826.59	3736810.99	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.11E-09	0.00E+00	0.00E+00	0.00E+00	2.11E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
5856	379846.59	3736810.99	1.40E-08	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.16E-09	0.00E+00	0.00E+00	0.00E+00	2.16E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09
5857	379866.59	3736810.99	1.44E-08	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.22E-09	0.00E+00	0.00E+00	0.00E+00	2.22E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09
5858	379886.59	3736810.99	1.49E-08	0.00E+00	0.00E+00	0.00E+00	1.49E-08	2.30E-09	0.00E+00	0.00E+00	0.00E+00	2.30E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09
5859	379906.59	3736810.99	1.54E-08	0.00E+00	0.00E+00	0.00E+00	1.54E-08	2.37E-09	0.00E+00	0.00E+00	0.00E+00	2.37E-09	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09
5860	379926.59	3736810.99	1.58E-08	0.00E+00	0.00E+00	0.00E+00	1.58E-08	2.43E-09	0.00E+00	0.00E+00	0.00E+00	2.43E-09	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09
5861	379946.59	3736810.99	1.62E-08	0.00E+00	0.00E+00	0.00E+00	1.62E-08	2.50E-09	0.00E+00	0.00E+00	0.00E+00	2.50E-09	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09
5862	379966.59	3736810.99	1.67E-08	0.00E+00	0.00E+00	0.00E+00	1.67E-08	2.58E-09	0.00E+00	0.00E+00	0.00E+00	2.58E-09	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09
5863	379986.59	3736810.99	1.73E-08	0.00E+00	0.00E+00	0.00E+00	1.73E-08	2.67E-09	0.00E+00	0.00E+00	0.00E+00	2.67E-09	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09
5864	380006.59	3736810.99	1.80E-08	0.00E+00	0.00E+00	0.00E+00	1.80E-08	2.78E-09	0.00E+00	0.00E+00	0.00E+00	2.78E-09	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09
5865	379726.59	3736830.99	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
5866	379746.59	3736830.99	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
5867	379766.59	3736830.99	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
5868	379786.59	3736830.99	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
5869	379806.59	3736830.99	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
5870	379826.59	3736830.99	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.09E-09	0.00E+00	0.00E+00	0.00E+00	2.09E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
5871	379846.59	3736830.99	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.14E-09	0.00E+00	0.00E+00	0.00E+00	2.14E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09
5872	379866.59	3736830.99	1.43E-08	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.20E-09	0.00E+00	0.00E+00	0.00E+00	2.20E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09
5873	379886.59	3736830.99	1.47E-08	0.00E+00	0.00E+00	0.00E+00	1.47E-08	2.27E-09	0.00E+00	0.00E+00	0.00E+00	2.27E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09
5874	379906.59	3736830.99	1.51E-08	0.00E+00	0.00E+00	0.00E+00	1.51E-08	2.33E-09	0.00E+00	0.00E+00	0.00E+00	2.33E-09	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09
5875	379926.59	3736830.99	1.56E-08	0.00E+00	0.00E+00	0.00E+00	1.56E-08	2.40E-09	0.00E+00	0.00E+00	0.00E+00	2.40E-09	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09
5876	379946.59	3736830.99	1.60E-08	0.00E+00	0.00E+00	0.00E+00	1.60E-08	2.46E-09	0.00E+00	0.00E+00	0.00E+00	2.46E-09	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09

5877	379966.59	3736830.99	1.65E-08	0.00E+00	0.00E+00	0.00E+00	1.65E-08	2.54E-09	0.00E+00	0.00E+00	0.00E+00	2.54E-09	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09
5878	379986.59	3736830.99	1.70E-08	0.00E+00	0.00E+00	0.00E+00	1.70E-08	2.63E-09	0.00E+00	0.00E+00	0.00E+00	2.63E-09	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09
5879	380006.59	3736830.99	1.77E-08	0.00E+00	0.00E+00	0.00E+00	1.77E-08	2.73E-09	0.00E+00	0.00E+00	0.00E+00	2.73E-09	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09
5880	379726.59	3736850.99	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
5881	379746.59	3736850.99	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
5882	379766.59	3736850.99	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
5883	379786.59	3736850.99	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
5884	379806.59	3736850.99	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
5885	379826.59	3736850.99	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.06E-09	0.00E+00	0.00E+00	0.00E+00	2.06E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
5886	379846.59	3736850.99	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.11E-09	0.00E+00	0.00E+00	0.00E+00	2.11E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
5887	379866.59	3736850.99	1.41E-08	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.17E-09	0.00E+00	0.00E+00	0.00E+00	2.17E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09
5888	379886.59	3736850.99	1.45E-08	0.00E+00	0.00E+00	0.00E+00	1.45E-08	2.23E-09	0.00E+00	0.00E+00	0.00E+00	2.23E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09
5889	379906.59	3736850.99	1.49E-08	0.00E+00	0.00E+00	0.00E+00	1.49E-08	2.30E-09	0.00E+00	0.00E+00	0.00E+00	2.30E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09
5890	379926.59	3736850.99	1.54E-08	0.00E+00	0.00E+00	0.00E+00	1.54E-08	2.37E-09	0.00E+00	0.00E+00	0.00E+00	2.37E-09	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09
5891	379946.59	3736850.99	1.58E-08	0.00E+00	0.00E+00	0.00E+00	1.58E-08	2.43E-09	0.00E+00	0.00E+00	0.00E+00	2.43E-09	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09
5892	379966.59	3736850.99	1.62E-08	0.00E+00	0.00E+00	0.00E+00	1.62E-08	2.50E-09	0.00E+00	0.00E+00	0.00E+00	2.50E-09	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09
5893	379986.59	3736850.99	1.68E-08	0.00E+00	0.00E+00	0.00E+00	1.68E-08	2.59E-09	0.00E+00	0.00E+00	0.00E+00	2.59E-09	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09
5894	380006.59	3736850.99	1.74E-08	0.00E+00	0.00E+00	0.00E+00	1.74E-08	2.69E-09	0.00E+00	0.00E+00	0.00E+00	2.69E-09	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09
5895	379726.59	3736870.99	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
5896	379746.59	3736870.99	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
5897	379766.59	3736870.99	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
5898	379786.59	3736870.99	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
5899	379806.59	3736870.99	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
5900	379826.59	3736870.99	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.03E-09	0.00E+00	0.00E+00	0.00E+00	2.03E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
5901	379846.59	3736870.99	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.09E-09	0.00E+00	0.00E+00	0.00E+00	2.09E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
5902	379866.59	3736870.99	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.15E-09	0.00E+00	0.00E+00	0.00E+00	2.15E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
5903	379886.59	3736870.99	1.43E-08	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.21E-09	0.00E+00	0.00E+00	0.00E+00	2.21E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09
5904	379906.59	3736870.99	1.47E-08	0.00E+00	0.00E+00	0.00E+00	1.47E-08	2.27E-09	0.00E+00	0.00E+00	0.00E+00	2.27E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09
5905	379926.59	3736870.99	1.52E-08	0.00E+00	0.00E+00	0.00E+00	1.52E-08	2.34E-09	0.00E+00	0.00E+00	0.00E+00	2.34E-09	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09
5906	379946.59	3736870.99	1.56E-08	0.00E+00	0.00E+00	0.00E+00	1.56E-08	2.40E-09	0.00E+00	0.00E+00	0.00E+00	2.40E-09	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09
5907	379966.59	3736870.99	1.60E-08	0.00E+00	0.00E+00	0.00E+00	1.60E-08	2.47E-09	0.00E+00	0.00E+00	0.00E+00	2.47E-09	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09
5908	379986.59	3736870.99	1.65E-08	0.00E+00	0.00E+00	0.00E+00	1.65E-08	2.55E-09	0.00E+00	0.00E+00	0.00E+00	2.55E-09	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09
5909	379726.59	3736890.99	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
5910	379746.59	3736890.99	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
5911	379766.59	3736890.99	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
5912	379786.59	3736890.99	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
5913	379806.59	3736890.99	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
5914	379826.59	3736890.99	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
5915	379846.59	3736890.99	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.06E-09	0.00E+00	0.00E+00	0.00E+00	2.06E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
5916	379866.59	3736890.99	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.12E-09	0.00E+00	0.00E+00	0.00E+00	2.12E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
5917	379886.59	3736890.99	1.41E-08	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.18E-09	0.00E+00	0.00E+00	0.00E+00	2.18E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09
5918	379906.59	3736890.99	1.45E-08	0.00E+00	0.00E+00	0.00E+00	1.45E-08	2.24E-09	0.00E+00	0.00E+00	0.00E+00	2.24E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09
5919	379926.59	3736890.99	1.50E-08	0.00E+00	0.00E+00	0.00E+00	1.50E-08	2.31E-09	0.00E+00	0.00E+00	0.00E+00	2.31E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09
5920	379946.59	3736890.99	1.54E-08	0.00E+00	0.00E+00	0.00E+00	1.54E-08	2.37E-09	0.00E+00	0.00E+00	0.00E+00	2.37E-09	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09
5921	379966.59	3736890.99	1.58E-08	0.00E+00	0.00E+00	0.00E+00	1.58E-08	2.44E-09	0.00E+00	0.00E+00	0.00E+00	2.44E-09	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09
5922	379986.59	3736890.99	1.63E-08	0.00E+00	0.00E+00	0.00E+00	1.63E-08	2.51E-09	0.00E+00	0.00E+00	0.00E+00	2.51E-09	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09
5923	379726.59	3736910.99	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
5924	379746.59	3736910.99	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
5925	379766.59	3736910.99	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
5926	379786.59	3736910.99	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
5927	379806.59	3736910.99	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
5928	379826.59	3736910.99	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
5929	379846.59	3736910.99	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.03E-09	0.00E+00	0.00E+00	0.00E+00	2.03E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
5930	379866.59	3736910.99	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.09E-09	0.00E+00	0.00E+00	0.00E+00	2.09E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
5931	379886.59	3736910.99	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.15E-09	0.00E+00	0.00E+00	0.00E+00	2.15E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
5932	379906.59	3736910.99	1.43E-08	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.21E-09	0.00E+00	0.00E+00	0.00E+00	2.21E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09
5933	379926.59	3736910.99	1.47E-08	0.00E+00	0.00E+00	0.00E+00	1.47E-08	2.27E-09	0.00E+00	0.00E+00	0.00E+00	2.27E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09
5934	379946.59	3736910.99	1.51E-08	0.00E+00	0.00E+00	0.00E+00	1.51E-08	2.33E-09	0.00E+00	0.00E+00	0.00E+00	2.33E-09	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09
5935	379966.59	3736910.99	1.56E-08	0.00E+00	0.00E+00	0.00E+00	1.56E-08	2.40E-09	0.00E+00	0.00E+00	0.00E+00	2.40E-09	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09
5936	379986.59	3736910.99	1.60E-08	0.00E+00	0.00E+00	0.00E+00	1.60E-08	2.47E-09	0.00E+00	0.00E+00	0.00E+00	2.47E-09	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09
5937	379726.59	3736930.99	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
5938	379746.59	3736930.99	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
5939	379766.59	3736930.99	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
5940	379786.59	3736930.99	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
5941	379806.59	3736930.99	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
5942	379826.59	3736930.99	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
5943	379846.59	3736930.99	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
5944	379866.59	3736930.99	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.06E-09	0.00E+00	0.00E+00	0.00E+00	2.06E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
5945	379886.59	3736930.99	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.11E-09	0.00E+00	0.00E+00	0.00E+00	2.11E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09
5946	379906.59	3736930.99	1.41E-08	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.17E-09	0.00E+00	0.00E+00	0.00E+00	2.17E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09
5947	379926.59	3736930.99	1.45E-08	0.00E+00	0.00E+00	0.00E+00	1.45E-08	2.23E-09	0.00E+00	0.00E+00	0.00E+00	2.23E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09
5948	379946.59	3736930.99	1.49E-08	0.00E+00	0.00E+00	0.00E+00	1.49E-08	2.29E-09	0.00E+00	0.00E+00	0.00E+00	2.29E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09
5949	379966.59	3736930.99	1.53E-08	0.00E+00	0.00E+00	0.00E+00	1.53E-08	2.36E-09	0.00E+00	0.00E+00	0.00E+00	2.36E-09	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09
5950	379726.59	3736950.99	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
5951	379746.59	3736950.99	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
5952	379766.59	3736950.99	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
5953	379786.59	3736950.99	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
5954	379806.59	3736950.99	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
5955	379826.59	3736950.99	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
5956	379846.59	3736950.99	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
5957	379866.59	3736950.99	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
5958	379886.59	3736950.99	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.07E-09	0.00E+00	0.00E+00	0.00E+00	2.07E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
5959	379906.59	3736950.99	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.12E-09	0.00E+00	0.00E+00	0.00E+00	2.12E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
5960	379926.59	3736950.99	1.42E-08	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.19E-09	0.00E+00	0.00E+00	0.00E+00	2.19E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09
5961	379946.59	3736950.99	1.46E-08	0.00E+00	0.00E+00	0.00E+00	1.46E-08	2.26E-09	0.00E+00	0.00E+00	0.00E+00	2.26E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09
5962	379966.59	3736950.99	1.51E-08	0.00E+00	0.00E+00	0.00E+00	1.51E-08	2.33E-09	0.00E+00	0.00E+00	0.00E+00	2.33E-09	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09
5963	379726.59	3736970.99	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
5964	379746.59	3736970.99	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09
5965	379766.59	3736970.99	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09
5966	379786.59	3736970.99	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
5967	379806.59	3736970.99	1.20E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-08	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
5968	379826.59	3736970.99	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.90E-09	0.00E+00	0.00E+00	0.00E+00	1.90E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
5969	379846.59	3736970.99	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
5970	379866.59	3736970.99	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
5971	379886.59	3736970.99	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.03E-09	0.00E+00	0.00E+00	0.00E+00	2.03E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
5972	379906.59	3736970.99	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.09E-09	0.00E+00	0.00E+00	0.00E+00	2.09E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
5973	379926.59	3736970.99	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.14E-09	0.00E+00	0.00E+00	0.00E+00	2.14E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
5974	379946.59	3736970.99	1.44E-08	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.22E-09	0.00E+00	0.00E+00	0.00E+00	2.22E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09
5975	379966.59	3736970.99	1.49E-08	0.00E+00	0.00E+00	0.00E+00	1.49E-08	2.30E-09	0.00E+00	0.00E+00	0.00E+00	2.30E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09
5976	379726.59	3736990.99	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
5977	379746.59	3736990.99	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
5978	379766.59	3736990.99	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
5979	379786.59	3736990.99	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
5980	379806.59	3736990.99	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
5981	379826.59	3736990.99	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09

5982	379846.59	3736990.99	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.90E-09	0.00E+00	0.00E+00	0.00E+00	1.90E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
5983	379866.59	3736990.99	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
5984	379886.59	3736990.99	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
5985	379906.59	3736990.99	1.33E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09
5986	379926.59	3736990.99	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.10E-09	0.00E+00	0.00E+00	0.00E+00	2.10E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09
5987	379946.59	3736990.99	1.41E-08	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.18E-09	0.00E+00	0.00E+00	0.00E+00	2.18E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09
5988	379966.59	3736990.99	1.47E-08	0.00E+00	0.00E+00	0.00E+00	1.47E-08	2.26E-09	0.00E+00	0.00E+00	0.00E+00	2.26E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09
5989	379726.59	3737010.99	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
5990	379746.59	3737010.99	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
5991	379766.59	3737010.99	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
5992	379786.59	3737010.99	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
5993	379806.59	3737010.99	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
5994	379826.59	3737010.99	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
5995	379846.59	3737010.99	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
5996	379866.59	3737010.99	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
5997	379886.59	3737010.99	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
5998	379906.59	3737010.99	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
5999	379926.59	3737010.99	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.06E-09	0.00E+00	0.00E+00	0.00E+00	2.06E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
6000	379946.59	3737010.99	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.13E-09	0.00E+00	0.00E+00	0.00E+00	2.13E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09
6001	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6002	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6003	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6004	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6005	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6006	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6007	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6008	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6009	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6010	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6011	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6012	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6013	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6014	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6015	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6016	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6017	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6018	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6019	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6020	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6021	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6022	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6023	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6024	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6025	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6026	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6027	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6028	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6029	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6030	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6031	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6032	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6033	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6034	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6035	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6036	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6037	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6038	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6039	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6040	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6041	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6042	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6043	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6044	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6045	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6046	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6047	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6048	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6049	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6050	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6051	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6052	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6053	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6054	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6055	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6056	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6057	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6058	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6059	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6060	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6061	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6062	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6063	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6064	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6065	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6066	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6067	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6068	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6069	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6070	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6071	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6072	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6073	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6074	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6075	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6076	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6077	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6078	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6079	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6080	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6081	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6082	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6083	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6084	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6085	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6086	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

6087	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6088	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6089	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6090	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6091	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6092	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6093	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6094	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6095	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6096	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6097	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6098	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6099	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6100	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6101	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6102	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6103	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6104	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6105	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6106	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6107	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6108	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6109	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6110	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6111	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6112	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6113	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6114	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6115	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6116	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6117	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6118	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6119	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6120	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6121	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6122	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6123	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6124	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6125	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6126	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6127	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6128	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6129	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6130	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6131	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6132	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6133	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6134	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6135	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6136	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6137	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6138	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6139	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6140	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6141	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6142	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6143	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6144	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6145	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6146	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6147	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6148	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6149	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6150	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6151	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6152	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6153	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6154	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6155	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6156	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6157	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6158	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6159	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6160	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6161	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6162	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6163	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6164	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6165	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6166	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6167	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6168	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6169	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6170	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6171	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6172	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6173	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6174	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6175	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6176	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6177	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6178	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6179	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6180	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6181	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6182	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6183	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6184	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6185	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6186	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6187	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6188	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6189	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6190	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6191	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

6192	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6193	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6194	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6195	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6196	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6197	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6198	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6199	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6200	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6201	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6202	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6203	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6204	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6205	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6206	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6207	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6208	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6209	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6210	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6211	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6212	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6213	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6214	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6215	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6216	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6217	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6218	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6219	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6220	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6221	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6222	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6223	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6224	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6225	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6226	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6227	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6228	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6229	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6230	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6231	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6232	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6233	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6234	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6235	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6236	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6237	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6238	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6239	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6240	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6241	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6242	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6243	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6244	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6245	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6246	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6247	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6248	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6249	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6250	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6251	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6252	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6253	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6254	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6255	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6256	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6257	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6258	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6259	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6260	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6261	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6262	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6263	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6264	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6265	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6266	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6267	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6268	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6269	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6270	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6271	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6272	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6273	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6274	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6275	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6276	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6277	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6278	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6279	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6280	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6281	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6282	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6283	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6284	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6285	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6286	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6287	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6288	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6289	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6290	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6291	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6292	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6293	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6294	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6295	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6296	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

6297	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6298	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6299	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6300	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6301	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6302	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6303	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6304	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6305	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6306	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6307	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6308	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6309	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6310	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6311	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6312	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6313	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6314	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6315	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6316	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6317	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6318	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6319	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6320	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6321	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6322	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6323	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6324	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6325	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6326	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6327	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6328	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6329	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6330	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6331	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6332	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6333	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6334	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6335	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6336	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6337	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6338	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6339	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6340	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6341	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6342	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6343	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6344	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6345	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6346	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6347	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6348	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6349	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6350	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6351	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6352	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6353	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6354	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6355	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6356	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6357	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6358	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6359	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6360	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6361	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6362	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6363	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6364	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6365	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6366	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6367	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6368	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6369	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6370	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6371	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6372	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6373	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6374	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6375	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6376	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6377	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6378	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6379	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6380	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6381	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6382	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6383	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6384	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6385	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6386	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6387	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

			T3		133		T3L3				T4			
			129	381628.81	3737562.02									
			1.77E-04	0.00E+00	0.00E+00	0.00E+00	2.73E-05	0.00E+00	0.00E+00	0.00E+00	1.81E-05	0.00E+00	0.00E+00	0.00E+00
			Yr 1	Yr 2	Yr 3	Yr 4	Yr 1	Yr 2	Yr 3	Yr 4	Yr 1	Yr 2	Yr 3	Yr 4
1	381788.81	3737480.82	1.02E-04	0.00E+00	0.00E+00	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00
2	381808.81	3737480.82	9.56E-05	0.00E+00	0.00E+00	0.00E+00	1.47E-05	0.00E+00	0.00E+00	0.00E+00	9.80E-06	0.00E+00	0.00E+00	0.00E+00
3	381828.81	3737480.82	8.95E-05	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	9.17E-06	0.00E+00	0.00E+00	0.00E+00
4	381848.81	3737480.82	8.39E-05	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	8.60E-06	0.00E+00	0.00E+00	0.00E+00
5	381868.81	3737480.82	7.88E-05	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	8.08E-06	0.00E+00	0.00E+00	0.00E+00
6	381888.81	3737480.82	7.42E-05	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	7.60E-06	0.00E+00	0.00E+00	0.00E+00
7	381908.81	3737480.82	6.99E-05	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	7.16E-06	0.00E+00	0.00E+00	0.00E+00
8	381928.81	3737480.82	6.60E-05	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	6.76E-06	0.00E+00	0.00E+00	0.00E+00
9	381728.81	3737501.12	1.27E-04	0.00E+00	0.00E+00	0.00E+00	1.95E-05	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00
10	381748.81	3737501.12	1.18E-04	0.00E+00	0.00E+00	0.00E+00	1.81E-05	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00
11	381768.81	3737501.12	1.10E-04	0.00E+00	0.00E+00	0.00E+00	1.69E-05	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00
12	381788.81	3737501.12	1.02E-04	0.00E+00	0.00E+00	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00
13	381808.81	3737501.12	9.57E-05	0.00E+00	0.00E+00	0.00E+00	1.48E-05	0.00E+00	0.00E+00	0.00E+00	9.81E-06	0.00E+00	0.00E+00	0.00E+00
14	381828.81	3737501.12	8.97E-05	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	9.18E-06	0.00E+00	0.00E+00	0.00E+00
15	381848.81	3737501.12	8.41E-05	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	8.61E-06	0.00E+00	0.00E+00	0.00E+00
16	381868.81	3737501.12	7.90E-05	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	8.09E-06	0.00E+00	0.00E+00	0.00E+00
17	381888.81	3737501.12	7.44E-05	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	7.62E-06	0.00E+00	0.00E+00	0.00E+00
18	381908.81	3737501.12	7.02E-05	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	7.19E-06	0.00E+00	0.00E+00	0.00E+00
19	381928.81	3737501.12	6.63E-05	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	6.79E-06	0.00E+00	0.00E+00	0.00E+00
20	381948.81	3737501.12	6.27E-05	0.00E+00	0.00E+00	0.00E+00	9.66E-06	0.00E+00	0.00E+00	0.00E+00	6.42E-06	0.00E+00	0.00E+00	0.00E+00
21	381968.81	3737501.12	5.94E-05	0.00E+00	0.00E+00	0.00E+00	9.15E-06	0.00E+00	0.00E+00	0.00E+00	6.08E-06	0.00E+00	0.00E+00	0.00E+00
22	381988.81	3737501.12	5.63E-05	0.00E+00	0.00E+00	0.00E+00	8.68E-06	0.00E+00	0.00E+00	0.00E+00	5.77E-06	0.00E+00	0.00E+00	0.00E+00
23	382008.81	3737501.12	5.35E-05	0.00E+00	0.00E+00	0.00E+00	8.25E-06	0.00E+00	0.00E+00	0.00E+00	5.48E-06	0.00E+00	0.00E+00	0.00E+00
24	382028.81	3737501.12	5.09E-05	0.00E+00	0.00E+00	0.00E+00	7.85E-06	0.00E+00	0.00E+00	0.00E+00	5.21E-06	0.00E+00	0.00E+00	0.00E+00
25	382048.81	3737501.12	4.85E-05	0.00E+00	0.00E+00	0.00E+00	7.47E-06	0.00E+00	0.00E+00	0.00E+00	4.97E-06	0.00E+00	0.00E+00	0.00E+00
26	382068.81	3737501.12	4.62E-05	0.00E+00	0.00E+00	0.00E+00	7.12E-06	0.00E+00	0.00E+00	0.00E+00	4.73E-06	0.00E+00	0.00E+00	0.00E+00
27	382088.81	3737501.12	4.41E-05	0.00E+00	0.00E+00	0.00E+00	6.80E-06	0.00E+00	0.00E+00	0.00E+00	4.52E-06	0.00E+00	0.00E+00	0.00E+00
28	382108.81	3737501.12	4.22E-05	0.00E+00	0.00E+00	0.00E+00	6.50E-06	0.00E+00	0.00E+00	0.00E+00	4.32E-06	0.00E+00	0.00E+00	0.00E+00
29	382128.81	3737501.12	4.03E-05	0.00E+00	0.00E+00	0.00E+00	6.22E-06	0.00E+00	0.00E+00	0.00E+00	4.13E-06	0.00E+00	0.00E+00	0.00E+00
30	381688.81	3737521.42	1.46E-04	0.00E+00	0.00E+00	0.00E+00	2.25E-05	0.00E+00	0.00E+00	0.00E+00	1.50E-05	0.00E+00	0.00E+00	0.00E+00
31	381708.81	3737521.42	1.36E-04	0.00E+00	0.00E+00	0.00E+00	2.09E-05	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00
32	381728.81	3737521.42	1.26E-04	0.00E+00	0.00E+00	0.00E+00	1.94E-05	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00
33	381748.81	3737521.42	1.17E-04	0.00E+00	0.00E+00	0.00E+00	1.81E-05	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00
34	381768.81	3737521.42	1.10E-04	0.00E+00	0.00E+00	0.00E+00	1.69E-05	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00
35	381788.81	3737521.42	1.02E-04	0.00E+00	0.00E+00	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00
36	381808.81	3737521.42	9.58E-05	0.00E+00	0.00E+00	0.00E+00	1.48E-05	0.00E+00	0.00E+00	0.00E+00	9.81E-06	0.00E+00	0.00E+00	0.00E+00
37	381828.81	3737521.42	8.98E-05	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	9.19E-06	0.00E+00	0.00E+00	0.00E+00
38	381848.81	3737521.42	8.42E-05	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	8.63E-06	0.00E+00	0.00E+00	0.00E+00
39	381868.81	3737521.42	7.92E-05	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	8.11E-06	0.00E+00	0.00E+00	0.00E+00
40	381888.81	3737521.42	7.46E-05	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	7.64E-06	0.00E+00	0.00E+00	0.00E+00
41	381908.81	3737521.42	7.03E-05	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	7.21E-06	0.00E+00	0.00E+00	0.00E+00
42	381928.81	3737521.42	6.65E-05	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	6.81E-06	0.00E+00	0.00E+00	0.00E+00
43	381948.81	3737521.42	6.29E-05	0.00E+00	0.00E+00	0.00E+00	9.69E-06	0.00E+00	0.00E+00	0.00E+00	6.44E-06	0.00E+00	0.00E+00	0.00E+00
44	381968.81	3737521.42	5.96E-05	0.00E+00	0.00E+00	0.00E+00	9.18E-06	0.00E+00	0.00E+00	0.00E+00	6.10E-06	0.00E+00	0.00E+00	0.00E+00
45	381988.81	3737521.42	5.65E-05	0.00E+00	0.00E+00	0.00E+00	8.71E-06	0.00E+00	0.00E+00	0.00E+00	5.79E-06	0.00E+00	0.00E+00	0.00E+00
46	382008.81	3737521.42	5.37E-05	0.00E+00	0.00E+00	0.00E+00	8.28E-06	0.00E+00	0.00E+00	0.00E+00	5.50E-06	0.00E+00	0.00E+00	0.00E+00
47	382028.81	3737521.42	5.11E-05	0.00E+00	0.00E+00	0.00E+00	7.88E-06	0.00E+00	0.00E+00	0.00E+00	5.23E-06	0.00E+00	0.00E+00	0.00E+00
48	382048.81	3737521.42	4.87E-05	0.00E+00	0.00E+00	0.00E+00	7.50E-06	0.00E+00	0.00E+00	0.00E+00	4.99E-06	0.00E+00	0.00E+00	0.00E+00
49	382068.81	3737521.42	4.64E-05	0.00E+00	0.00E+00	0.00E+00	7.16E-06	0.00E+00	0.00E+00	0.00E+00	4.76E-06	0.00E+00	0.00E+00	0.00E+00
50	382088.81	3737521.42	4.43E-05	0.00E+00	0.00E+00	0.00E+00	6.83E-06	0.00E+00	0.00E+00	0.00E+00	4.54E-06	0.00E+00	0.00E+00	0.00E+00
51	382108.81	3737521.42	4.23E-05	0.00E+00	0.00E+00	0.00E+00	6.53E-06	0.00E+00	0.00E+00	0.00E+00	4.34E-06	0.00E+00	0.00E+00	0.00E+00
52	382128.81	3737521.42	4.05E-05	0.00E+00	0.00E+00	0.00E+00	6.24E-06	0.00E+00	0.00E+00	0.00E+00	4.15E-06	0.00E+00	0.00E+00	0.00E+00
53	382148.81	3737521.42	3.88E-05	0.00E+00	0.00E+00	0.00E+00	5.98E-06	0.00E+00	0.00E+00	0.00E+00	3.97E-06	0.00E+00	0.00E+00	0.00E+00
54	382168.81	3737521.42	3.72E-05	0.00E+00	0.00E+00	0.00E+00	5.73E-06	0.00E+00	0.00E+00	0.00E+00	3.81E-06	0.00E+00	0.00E+00	0.00E+00
55	382188.81	3737521.42	3.57E-05	0.00E+00	0.00E+00	0.00E+00	5.50E-06	0.00E+00	0.00E+00	0.00E+00	3.65E-06	0.00E+00	0.00E+00	0.00E+00
56	382208.81	3737521.42	3.42E-05	0.00E+00	0.00E+00	0.00E+00	5.28E-06	0.00E+00	0.00E+00	0.00E+00	3.51E-06	0.00E+00	0.00E+00	0.00E+00
57	382228.81	3737521.42	3.29E-05	0.00E+00	0.00E+00	0.00E+00	5.07E-06	0.00E+00	0.00E+00	0.00E+00	3.37E-06	0.00E+00	0.00E+00	0.00E+00
58	382248.81	3737521.42	3.16E-05	0.00E+00	0.00E+00	0.00E+00	4.88E-06	0.00E+00	0.00E+00	0.00E+00	3.24E-06	0.00E+00	0.00E+00	0.00E+00
59	382268.81	3737521.42	3.05E-05	0.00E+00	0.00E+00	0.00E+00	4.69E-06	0.00E+00	0.00E+00	0.00E+00	3.12E-06	0.00E+00	0.00E+00	0.00E+00
60	382288.81	3737521.42	2.93E-05	0.00E+00	0.00E+00	0.00E+00	4.52E-06	0.00E+00	0.00E+00	0.00E+00	3.00E-06	0.00E+00	0.00E+00	0.00E+00
61	382308.81	3737521.42	2.83E-05	0.00E+00	0.00E+00	0.00E+00	4.36E-06	0.00E+00	0.00E+00	0.00E+00	2.89E-06	0.00E+00	0.00E+00	0.00E+00
62	382328.81	3737521.42	2.73E-05	0.00E+00	0.00E+00	0.00E+00	4.20E-06	0.00E+00	0.00E+00	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00
63	382348.81	3737521.42	2.63E-05	0.00E+00	0.00E+00	0.00E+00	4.05E-06	0.00E+00	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00
64	382368.81	3737521.42	2.54E-05	0.00E+00	0.00E+00	0.00E+00	3.92E-06	0.00E+00	0.00E+00	0.00E+00	2.60E-06	0.00E+00	0.00E+00	0.00E+00
65	382388.81	3737521.42	2.45E-05	0.00E+00	0.00E+00	0.00E+00	3.78E-06	0.00E+00	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00
66	382408.81	3737521.42	2.37E-05	0.00E+00	0.00E+00	0.00E+00	3.66E-06	0.00E+00	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00
67	382428.81	3737521.42	2.30E-05	0.00E+00	0.00E+00	0.00E+00	3.54E-06	0.00E+00	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00
68	382448.81	3737521.42	2.22E-05	0.00E+00	0.00E+00	0.00E+00	3.43E-06	0.00E+00	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00
69	382468.81	3737521.42	2.15E-05	0.00E+00	0.00E+00	0.00E+00	3.32E-06	0.00E+00	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00
70	382488.81	3737521.42	2.09E-05	0.00E+00	0.00E+00	0.00E+00	3.22E-06	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00
71	382508.81	3737521.42	2.02E-05	0.00E+00	0.00E+00	0.00E+00	3.12E-06	0.00E+00	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00
72	382528.81	3737521.42	1.96E-05	0.00E+00	0.00E+00	0.00E+00	3.03E-06	0.00E+00	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00
73	382548.81	3737521.42	1.91E-05	0.00E+00	0.00E+00	0.00E+00	2.94E-06	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00
74	382588.81	3737521.42	1.80E-05	0.00E+00	0.00E+00	0.00E+00	2.78E-06	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00
75	382608.81	3737521.42	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.70E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
76	382628.81	3737521.42	1.70E-05	0.00E+00	0.00E+00	0.00E+00	2.63E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
77	382648.81	3737521.42	1.66E-05	0.00E+00	0.00E+00	0.00E+00	2.56E-06	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00
78	381648.81	3737541.72	1.67E-04	0.00E+00	0.00E+00	0.00E+00	2.58E-05	0.00E+00	0.00E+00	0.00E+00	1.71E-05	0.00E+00	0.00E+00	0.00E+00
79	381668.81	3737541.72	1.56E-04	0.00E+00	0.00E+00	0.00E+00	2.40E-05	0.00E+00	0.00E+00	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00
80	381688.81	3737541.72	1.45E-04	0.00E+00	0.00E+00	0.00E+00	2.23E-05	0.00E+00	0.00E+00	0.00E+00	1.48E-05	0.00E+00	0.00E+00	0.00E+00
81	381708.81	3737541.72	1.35E-04	0.00E+00	0.00E+00	0.00E+00	2.08E-05	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00
82	381728.81	3737541.72	1.26E-04	0.00E+00	0.00E+00	0.00E+00	1.94E-05	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00
83	381748.81	3737541.72	1.17E-04	0.00E+00	0.00E+00	0.00E+00	1.81E-05	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00
84	381768.81	3737541.72	1.09E-04	0.00E+00	0.00E+00	0.00E+00	1.69E-05	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00
85	381788.81	3737541.72	1.02E-04	0.00E+00	0.00E+00	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00
86	381808.81	3737541.72	9.57E-05	0.00E+00	0.00E+00	0.00E+00	1.48E-05	0.00E+00	0.00E+00	0.00E+00	9.81E-06	0.00E+00	0.00E+00	0.00E+00

87	381828.81	3737541.72	8.98E-05	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	9.20E-06	0.00E+00	0.00E+00	0.00E+00
88	381848.81	3737541.72	8.43E-05	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	8.64E-06	0.00E+00	0.00E+00	0.00E+00
89	381868.81	3737541.72	7.93E-05	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	8.12E-06	0.00E+00	0.00E+00	0.00E+00
90	381888.81	3737541.72	7.47E-05	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	7.65E-06	0.00E+00	0.00E+00	0.00E+00
91	381908.81	3737541.72	7.05E-05	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	7.22E-06	0.00E+00	0.00E+00	0.00E+00
92	381928.81	3737541.72	6.66E-05	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	6.83E-06	0.00E+00	0.00E+00	0.00E+00
93	381948.81	3737541.72	6.31E-05	0.00E+00	0.00E+00	0.00E+00	9.72E-06	0.00E+00	0.00E+00	0.00E+00	6.46E-06	0.00E+00	0.00E+00	0.00E+00
94	381968.81	3737541.72	5.98E-05	0.00E+00	0.00E+00	0.00E+00	9.21E-06	0.00E+00	0.00E+00	0.00E+00	6.12E-06	0.00E+00	0.00E+00	0.00E+00
95	381988.81	3737541.72	5.67E-05	0.00E+00	0.00E+00	0.00E+00	8.74E-06	0.00E+00	0.00E+00	0.00E+00	5.81E-06	0.00E+00	0.00E+00	0.00E+00
96	382008.81	3737541.72	5.39E-05	0.00E+00	0.00E+00	0.00E+00	8.31E-06	0.00E+00	0.00E+00	0.00E+00	5.52E-06	0.00E+00	0.00E+00	0.00E+00
97	382028.81	3737541.72	5.13E-05	0.00E+00	0.00E+00	0.00E+00	7.91E-06	0.00E+00	0.00E+00	0.00E+00	5.25E-06	0.00E+00	0.00E+00	0.00E+00
98	382048.81	3737541.72	4.89E-05	0.00E+00	0.00E+00	0.00E+00	7.53E-06	0.00E+00	0.00E+00	0.00E+00	5.00E-06	0.00E+00	0.00E+00	0.00E+00
99	382068.81	3737541.72	4.66E-05	0.00E+00	0.00E+00	0.00E+00	7.18E-06	0.00E+00	0.00E+00	0.00E+00	4.77E-06	0.00E+00	0.00E+00	0.00E+00
100	382088.81	3737541.72	4.45E-05	0.00E+00	0.00E+00	0.00E+00	6.86E-06	0.00E+00	0.00E+00	0.00E+00	4.56E-06	0.00E+00	0.00E+00	0.00E+00
101	382108.81	3737541.72	4.25E-05	0.00E+00	0.00E+00	0.00E+00	6.55E-06	0.00E+00	0.00E+00	0.00E+00	4.36E-06	0.00E+00	0.00E+00	0.00E+00
102	382128.81	3737541.72	4.07E-05	0.00E+00	0.00E+00	0.00E+00	6.27E-06	0.00E+00	0.00E+00	0.00E+00	4.17E-06	0.00E+00	0.00E+00	0.00E+00
103	382148.81	3737541.72	3.90E-05	0.00E+00	0.00E+00	0.00E+00	6.01E-06	0.00E+00	0.00E+00	0.00E+00	3.99E-06	0.00E+00	0.00E+00	0.00E+00
104	382168.81	3737541.72	3.74E-05	0.00E+00	0.00E+00	0.00E+00	5.76E-06	0.00E+00	0.00E+00	0.00E+00	3.83E-06	0.00E+00	0.00E+00	0.00E+00
105	382188.81	3737541.72	3.58E-05	0.00E+00	0.00E+00	0.00E+00	5.52E-06	0.00E+00	0.00E+00	0.00E+00	3.67E-06	0.00E+00	0.00E+00	0.00E+00
106	382208.81	3737541.72	3.44E-05	0.00E+00	0.00E+00	0.00E+00	5.30E-06	0.00E+00	0.00E+00	0.00E+00	3.52E-06	0.00E+00	0.00E+00	0.00E+00
107	382228.81	3737541.72	3.31E-05	0.00E+00	0.00E+00	0.00E+00	5.10E-06	0.00E+00	0.00E+00	0.00E+00	3.39E-06	0.00E+00	0.00E+00	0.00E+00
108	382248.81	3737541.72	3.18E-05	0.00E+00	0.00E+00	0.00E+00	4.90E-06	0.00E+00	0.00E+00	0.00E+00	3.26E-06	0.00E+00	0.00E+00	0.00E+00
109	382268.81	3737541.72	3.06E-05	0.00E+00	0.00E+00	0.00E+00	4.72E-06	0.00E+00	0.00E+00	0.00E+00	3.13E-06	0.00E+00	0.00E+00	0.00E+00
110	382288.81	3737541.72	2.95E-05	0.00E+00	0.00E+00	0.00E+00	4.54E-06	0.00E+00	0.00E+00	0.00E+00	3.02E-06	0.00E+00	0.00E+00	0.00E+00
111	382308.81	3737541.72	2.84E-05	0.00E+00	0.00E+00	0.00E+00	4.38E-06	0.00E+00	0.00E+00	0.00E+00	2.91E-06	0.00E+00	0.00E+00	0.00E+00
112	382328.81	3737541.72	2.74E-05	0.00E+00	0.00E+00	0.00E+00	4.22E-06	0.00E+00	0.00E+00	0.00E+00	2.81E-06	0.00E+00	0.00E+00	0.00E+00
113	382348.81	3737541.72	2.64E-05	0.00E+00	0.00E+00	0.00E+00	4.07E-06	0.00E+00	0.00E+00	0.00E+00	2.71E-06	0.00E+00	0.00E+00	0.00E+00
114	382368.81	3737541.72	2.55E-05	0.00E+00	0.00E+00	0.00E+00	3.93E-06	0.00E+00	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00
115	382388.81	3737541.72	2.47E-05	0.00E+00	0.00E+00	0.00E+00	3.80E-06	0.00E+00	0.00E+00	0.00E+00	2.53E-06	0.00E+00	0.00E+00	0.00E+00
116	382408.81	3737541.72	2.39E-05	0.00E+00	0.00E+00	0.00E+00	3.68E-06	0.00E+00	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00
117	382428.81	3737541.72	2.31E-05	0.00E+00	0.00E+00	0.00E+00	3.55E-06	0.00E+00	0.00E+00	0.00E+00	2.36E-06	0.00E+00	0.00E+00	0.00E+00
118	382448.81	3737541.72	2.23E-05	0.00E+00	0.00E+00	0.00E+00	3.44E-06	0.00E+00	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00
119	382468.81	3737541.72	2.16E-05	0.00E+00	0.00E+00	0.00E+00	3.33E-06	0.00E+00	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00
120	382488.81	3737541.72	2.10E-05	0.00E+00	0.00E+00	0.00E+00	3.23E-06	0.00E+00	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00
121	382508.81	3737541.72	2.03E-05	0.00E+00	0.00E+00	0.00E+00	3.13E-06	0.00E+00	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00
122	382528.81	3737541.72	1.97E-05	0.00E+00	0.00E+00	0.00E+00	3.04E-06	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00
123	382548.81	3737541.72	1.91E-05	0.00E+00	0.00E+00	0.00E+00	2.95E-06	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00
124	382568.81	3737541.72	1.86E-05	0.00E+00	0.00E+00	0.00E+00	2.86E-06	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00
125	382588.81	3737541.72	1.81E-05	0.00E+00	0.00E+00	0.00E+00	2.78E-06	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00
126	382608.81	3737541.72	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.71E-06	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00
127	382628.81	3737541.72	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.63E-06	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00
128	382648.81	3737541.72	1.66E-05	0.00E+00	0.00E+00	0.00E+00	2.56E-06	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00
129	381628.81	3737562.02	1.77E-04	0.00E+00	0.00E+00	0.00E+00	2.73E-05	0.00E+00	0.00E+00	0.00E+00	1.81E-05	0.00E+00	0.00E+00	0.00E+00
130	381648.81	3737562.02	1.65E-04	0.00E+00	0.00E+00	0.00E+00	2.55E-05	0.00E+00	0.00E+00	0.00E+00	1.69E-05	0.00E+00	0.00E+00	0.00E+00
131	381668.81	3737562.02	1.54E-04	0.00E+00	0.00E+00	0.00E+00	2.37E-05	0.00E+00	0.00E+00	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00
132	381688.81	3737562.02	1.44E-04	0.00E+00	0.00E+00	0.00E+00	2.21E-05	0.00E+00	0.00E+00	0.00E+00	1.47E-05	0.00E+00	0.00E+00	0.00E+00
133	381708.81	3737562.02	1.34E-04	0.00E+00	0.00E+00	0.00E+00	2.06E-05	0.00E+00	0.00E+00	0.00E+00	1.37E-05	0.00E+00	0.00E+00	0.00E+00
134	381728.81	3737562.02	1.25E-04	0.00E+00	0.00E+00	0.00E+00	1.93E-05	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00
135	381748.81	3737562.02	1.17E-04	0.00E+00	0.00E+00	0.00E+00	1.80E-05	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00
136	381768.81	3737562.02	1.09E-04	0.00E+00	0.00E+00	0.00E+00	1.68E-05	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00
137	381788.81	3737562.02	1.02E-04	0.00E+00	0.00E+00	0.00E+00	1.57E-05	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00
138	381808.81	3737562.02	9.57E-05	0.00E+00	0.00E+00	0.00E+00	1.47E-05	0.00E+00	0.00E+00	0.00E+00	9.80E-06	0.00E+00	0.00E+00	0.00E+00
139	381828.81	3737562.02	8.98E-05	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	9.19E-06	0.00E+00	0.00E+00	0.00E+00
140	381848.81	3737562.02	8.44E-05	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	8.64E-06	0.00E+00	0.00E+00	0.00E+00
141	381868.81	3737562.02	7.94E-05	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	8.13E-06	0.00E+00	0.00E+00	0.00E+00
142	381888.81	3737562.02	7.48E-05	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	7.66E-06	0.00E+00	0.00E+00	0.00E+00
143	381908.81	3737562.02	7.06E-05	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	7.23E-06	0.00E+00	0.00E+00	0.00E+00
144	381928.81	3737562.02	6.68E-05	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	6.84E-06	0.00E+00	0.00E+00	0.00E+00
145	381948.81	3737562.02	6.32E-05	0.00E+00	0.00E+00	0.00E+00	9.75E-06	0.00E+00	0.00E+00	0.00E+00	6.48E-06	0.00E+00	0.00E+00	0.00E+00
146	381968.81	3737562.02	5.99E-05	0.00E+00	0.00E+00	0.00E+00	9.24E-06	0.00E+00	0.00E+00	0.00E+00	6.14E-06	0.00E+00	0.00E+00	0.00E+00
147	381988.81	3737562.02	5.69E-05	0.00E+00	0.00E+00	0.00E+00	8.77E-06	0.00E+00	0.00E+00	0.00E+00	5.83E-06	0.00E+00	0.00E+00	0.00E+00
148	382008.81	3737562.02	5.41E-05	0.00E+00	0.00E+00	0.00E+00	8.34E-06	0.00E+00	0.00E+00	0.00E+00	5.54E-06	0.00E+00	0.00E+00	0.00E+00
149	382028.81	3737562.02	5.15E-05	0.00E+00	0.00E+00	0.00E+00	7.93E-06	0.00E+00	0.00E+00	0.00E+00	5.27E-06	0.00E+00	0.00E+00	0.00E+00
150	382048.81	3737562.02	4.90E-05	0.00E+00	0.00E+00	0.00E+00	7.56E-06	0.00E+00	0.00E+00	0.00E+00	5.02E-06	0.00E+00	0.00E+00	0.00E+00
151	382068.81	3737562.02	4.68E-05	0.00E+00	0.00E+00	0.00E+00	7.21E-06	0.00E+00	0.00E+00	0.00E+00	4.79E-06	0.00E+00	0.00E+00	0.00E+00
152	382088.81	3737562.02	4.46E-05	0.00E+00	0.00E+00	0.00E+00	6.88E-06	0.00E+00	0.00E+00	0.00E+00	4.57E-06	0.00E+00	0.00E+00	0.00E+00
153	382108.81	3737562.02	4.27E-05	0.00E+00	0.00E+00	0.00E+00	6.58E-06	0.00E+00	0.00E+00	0.00E+00	4.37E-06	0.00E+00	0.00E+00	0.00E+00
154	382128.81	3737562.02	4.09E-05	0.00E+00	0.00E+00	0.00E+00	6.30E-06	0.00E+00	0.00E+00	0.00E+00	4.19E-06	0.00E+00	0.00E+00	0.00E+00
155	382148.81	3737562.02	3.91E-05	0.00E+00	0.00E+00	0.00E+00	6.03E-06	0.00E+00	0.00E+00	0.00E+00	4.01E-06	0.00E+00	0.00E+00	0.00E+00
156	382168.81	3737562.02	3.75E-05	0.00E+00	0.00E+00	0.00E+00	5.78E-06	0.00E+00	0.00E+00	0.00E+00	3.84E-06	0.00E+00	0.00E+00	0.00E+00
157	382188.81	3737562.02	3.60E-05	0.00E+00	0.00E+00	0.00E+00	5.55E-06	0.00E+00	0.00E+00	0.00E+00	3.69E-06	0.00E+00	0.00E+00	0.00E+00
158	382208.81	3737562.02	3.46E-05	0.00E+00	0.00E+00	0.00E+00	5.33E-06	0.00E+00	0.00E+00	0.00E+00	3.54E-06	0.00E+00	0.00E+00	0.00E+00
159	382228.81	3737562.02	3.32E-05	0.00E+00	0.00E+00	0.00E+00	5.12E-06	0.00E+00	0.00E+00	0.00E+00	3.40E-06	0.00E+00	0.00E+00	0.00E+00
160	382248.81	3737562.02	3.19E-05	0.00E+00	0.00E+00	0.00E+00	4.92E-06	0.00E+00	0.00E+00	0.00E+00	3.27E-06	0.00E+00	0.00E+00	0.00E+00
161	382268.81	3737562.02	3.08E-05	0.00E+00	0.00E+00	0.00E+00	4.74E-06	0.00E+00	0.00E+00	0.00E+00	3.15E-06	0.00E+00	0.00E+00	0.00E+00
162	382288.81	3737562.02	2.96E-05	0.00E+00	0.00E+00	0.00E+00	4.57E-06	0.00E+00	0.00E+00	0.00E+00	3.03E-06	0.00E+00	0.00E+00	0.00E+00
163	382308.81	3737562.02	2.85E-05	0.00E+00	0.00E+00	0.00E+00	4.40E-06	0.00E+00	0.00E+00	0.00E+00	2.92E-06	0.00E+00	0.00E+00	0.00E+00
164	382328.81	3737562.02	2.75E-05	0.00E+00	0.00E+00	0.00E+00	4.24E-06	0.00E+00	0.00E+00	0.00E+00	2.82E-06	0.00E+00	0.00E+00	0.00E+00
165	382348.81	3737562.02	2.66E-05	0.00E+00	0.00E+00	0.00E+00	4.10E-06	0.00E+00	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00
166	382368.81	3737562.02	2.56E-05	0.00E+00	0.00E+00	0.00E+00	3.95E-06	0.00E+00	0.00E+00	0.00E+00	2.63E-06	0.00E+00	0.00E+00	0.00E+00
167	382388.81	3737562.02	2.48E-05	0.00E+00	0.00E+00	0.00E+00	3.82E-06	0.00E+00	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00
168	382408.81	3737562.02	2.40E-05	0.00E+00	0.00E+00	0.00E+00	3.69E-06	0.00E+00	0.00E+00	0.00E+00	2.46E-06	0.00E+00	0.00E+00	0.00E+00
169	382428.81	3737562.02	2.32E-05	0.00E+00	0.00E+00	0.00E+00	3.57E-06	0.00E+00	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00
170	382448.81	3737562.02	2.24E-05	0.00E+00	0.00E+00	0.00E+00	3.46E-06	0.00E+00	0.00E+00	0.00E+00	2.30E-06	0.00E+00	0.00E+00	0.00E+00
171	382468.81	3737562.02	2.17E-05	0.00E+00	0.00E+00	0.00E+00	3.35E-06	0.00E+00	0.00E+00	0.00E+00	2.23E-06	0.00E+00	0.00E+00	0.00E+00
172	382488.81	3737562.02	2.11E-05	0.00E+00	0.00E+00	0.00E+00	3.25E-06	0.00E+00	0.00E+00	0.00E+00	2.16E-06	0.00E+00	0.00E+00	0.00E+00
173	382508.81	3737562.02	2.04E-05	0.00E+00	0.00E+00	0.00E+00	3.15E-06	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00
174	382528.81	3737562.02	1.98E-05	0.00E+00	0.00E+00	0.00E+00	3.05E-06	0.00E+00	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00
175	382548.81	3737562.02	1.92E-05	0.00E+00	0.00E+00	0.00E+00	2.96E-06	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00
176	382568.81	3737562.02	1.87E-05	0.00E+00	0.00E+00	0.00E+00	2.88E-06	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00

177	382588.81	3737562.02	1.81E-05	0.00E+00	0.00E+00	0.00E+00	2.80E-06	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00
178	382608.81	3737562.02	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
179	382628.81	3737562.02	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.64E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
180	382648.81	3737562.02	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
181	381628.81	3737582.32	1.74E-04	0.00E+00	0.00E+00	0.00E+00	2.69E-05	0.00E+00	0.00E+00	0.00E+00	1.79E-05	0.00E+00	0.00E+00	0.00E+00
182	381648.81	3737582.32	1.63E-04	0.00E+00	0.00E+00	0.00E+00	2.51E-05	0.00E+00	0.00E+00	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00
183	381668.81	3737582.32	1.52E-04	0.00E+00	0.00E+00	0.00E+00	2.35E-05	0.00E+00	0.00E+00	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00
184	381688.81	3737582.32	1.42E-04	0.00E+00	0.00E+00	0.00E+00	2.19E-05	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00
185	381708.81	3737582.32	1.33E-04	0.00E+00	0.00E+00	0.00E+00	2.05E-05	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00
186	381728.81	3737582.32	1.24E-04	0.00E+00	0.00E+00	0.00E+00	1.91E-05	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00
187	381748.81	3737582.32	1.16E-04	0.00E+00	0.00E+00	0.00E+00	1.79E-05	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00
188	381768.81	3737582.32	1.09E-04	0.00E+00	0.00E+00	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00
189	381788.81	3737582.32	1.02E-04	0.00E+00	0.00E+00	0.00E+00	1.57E-05	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00
190	381808.81	3737582.32	9.55E-05	0.00E+00	0.00E+00	0.00E+00	1.47E-05	0.00E+00	0.00E+00	0.00E+00	9.78E-06	0.00E+00	0.00E+00	0.00E+00
191	381828.81	3737582.32	8.97E-05	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	9.19E-06	0.00E+00	0.00E+00	0.00E+00
192	381848.81	3737582.32	8.43E-05	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	8.64E-06	0.00E+00	0.00E+00	0.00E+00
193	381868.81	3737582.32	7.94E-05	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	8.13E-06	0.00E+00	0.00E+00	0.00E+00
194	381888.81	3737582.32	7.49E-05	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	7.67E-06	0.00E+00	0.00E+00	0.00E+00
195	381908.81	3737582.32	7.07E-05	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	7.25E-06	0.00E+00	0.00E+00	0.00E+00
196	381928.81	3737582.32	6.69E-05	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	6.85E-06	0.00E+00	0.00E+00	0.00E+00
197	381948.81	3737582.32	6.34E-05	0.00E+00	0.00E+00	0.00E+00	9.77E-06	0.00E+00	0.00E+00	0.00E+00	6.49E-06	0.00E+00	0.00E+00	0.00E+00
198	381968.81	3737582.32	6.01E-05	0.00E+00	0.00E+00	0.00E+00	9.26E-06	0.00E+00	0.00E+00	0.00E+00	6.16E-06	0.00E+00	0.00E+00	0.00E+00
199	381988.81	3737582.32	5.70E-05	0.00E+00	0.00E+00	0.00E+00	8.79E-06	0.00E+00	0.00E+00	0.00E+00	5.84E-06	0.00E+00	0.00E+00	0.00E+00
200	382008.81	3737582.32	5.42E-05	0.00E+00	0.00E+00	0.00E+00	8.36E-06	0.00E+00	0.00E+00	0.00E+00	5.56E-06	0.00E+00	0.00E+00	0.00E+00
201	382028.81	3737582.32	5.16E-05	0.00E+00	0.00E+00	0.00E+00	7.96E-06	0.00E+00	0.00E+00	0.00E+00	5.29E-06	0.00E+00	0.00E+00	0.00E+00
202	382048.81	3737582.32	4.92E-05	0.00E+00	0.00E+00	0.00E+00	7.58E-06	0.00E+00	0.00E+00	0.00E+00	5.04E-06	0.00E+00	0.00E+00	0.00E+00
203	382068.81	3737582.32	4.69E-05	0.00E+00	0.00E+00	0.00E+00	7.23E-06	0.00E+00	0.00E+00	0.00E+00	4.80E-06	0.00E+00	0.00E+00	0.00E+00
204	382088.81	3737582.32	4.48E-05	0.00E+00	0.00E+00	0.00E+00	6.90E-06	0.00E+00	0.00E+00	0.00E+00	4.59E-06	0.00E+00	0.00E+00	0.00E+00
205	382108.81	3737582.32	4.28E-05	0.00E+00	0.00E+00	0.00E+00	6.60E-06	0.00E+00	0.00E+00	0.00E+00	4.39E-06	0.00E+00	0.00E+00	0.00E+00
206	382128.81	3737582.32	4.10E-05	0.00E+00	0.00E+00	0.00E+00	6.32E-06	0.00E+00	0.00E+00	0.00E+00	4.20E-06	0.00E+00	0.00E+00	0.00E+00
207	382148.81	3737582.32	3.93E-05	0.00E+00	0.00E+00	0.00E+00	6.06E-06	0.00E+00	0.00E+00	0.00E+00	4.03E-06	0.00E+00	0.00E+00	0.00E+00
208	382168.81	3737582.32	3.77E-05	0.00E+00	0.00E+00	0.00E+00	5.81E-06	0.00E+00	0.00E+00	0.00E+00	3.86E-06	0.00E+00	0.00E+00	0.00E+00
209	382188.81	3737582.32	3.62E-05	0.00E+00	0.00E+00	0.00E+00	5.57E-06	0.00E+00	0.00E+00	0.00E+00	3.70E-06	0.00E+00	0.00E+00	0.00E+00
210	382208.81	3737582.32	3.47E-05	0.00E+00	0.00E+00	0.00E+00	5.35E-06	0.00E+00	0.00E+00	0.00E+00	3.56E-06	0.00E+00	0.00E+00	0.00E+00
211	382228.81	3737582.32	3.34E-05	0.00E+00	0.00E+00	0.00E+00	5.14E-06	0.00E+00	0.00E+00	0.00E+00	3.42E-06	0.00E+00	0.00E+00	0.00E+00
212	382248.81	3737582.32	3.21E-05	0.00E+00	0.00E+00	0.00E+00	4.95E-06	0.00E+00	0.00E+00	0.00E+00	3.29E-06	0.00E+00	0.00E+00	0.00E+00
213	382268.81	3737582.32	3.09E-05	0.00E+00	0.00E+00	0.00E+00	4.76E-06	0.00E+00	0.00E+00	0.00E+00	3.16E-06	0.00E+00	0.00E+00	0.00E+00
214	382288.81	3737582.32	2.98E-05	0.00E+00	0.00E+00	0.00E+00	4.59E-06	0.00E+00	0.00E+00	0.00E+00	3.05E-06	0.00E+00	0.00E+00	0.00E+00
215	382308.81	3737582.32	2.87E-05	0.00E+00	0.00E+00	0.00E+00	4.42E-06	0.00E+00	0.00E+00	0.00E+00	2.94E-06	0.00E+00	0.00E+00	0.00E+00
216	382328.81	3737582.32	2.77E-05	0.00E+00	0.00E+00	0.00E+00	4.26E-06	0.00E+00	0.00E+00	0.00E+00	2.83E-06	0.00E+00	0.00E+00	0.00E+00
217	382348.81	3737582.32	2.67E-05	0.00E+00	0.00E+00	0.00E+00	4.11E-06	0.00E+00	0.00E+00	0.00E+00	2.73E-06	0.00E+00	0.00E+00	0.00E+00
218	382368.81	3737582.32	2.58E-05	0.00E+00	0.00E+00	0.00E+00	3.97E-06	0.00E+00	0.00E+00	0.00E+00	2.64E-06	0.00E+00	0.00E+00	0.00E+00
219	382388.81	3737582.32	2.49E-05	0.00E+00	0.00E+00	0.00E+00	3.84E-06	0.00E+00	0.00E+00	0.00E+00	2.55E-06	0.00E+00	0.00E+00	0.00E+00
220	382408.81	3737582.32	2.41E-05	0.00E+00	0.00E+00	0.00E+00	3.71E-06	0.00E+00	0.00E+00	0.00E+00	2.47E-06	0.00E+00	0.00E+00	0.00E+00
221	382428.81	3737582.32	2.33E-05	0.00E+00	0.00E+00	0.00E+00	3.59E-06	0.00E+00	0.00E+00	0.00E+00	2.39E-06	0.00E+00	0.00E+00	0.00E+00
222	382448.81	3737582.32	2.26E-05	0.00E+00	0.00E+00	0.00E+00	3.48E-06	0.00E+00	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00
223	382468.81	3737582.32	2.18E-05	0.00E+00	0.00E+00	0.00E+00	3.37E-06	0.00E+00	0.00E+00	0.00E+00	2.24E-06	0.00E+00	0.00E+00	0.00E+00
224	382488.81	3737582.32	2.12E-05	0.00E+00	0.00E+00	0.00E+00	3.26E-06	0.00E+00	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00
225	382508.81	3737582.32	2.05E-05	0.00E+00	0.00E+00	0.00E+00	3.16E-06	0.00E+00	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00
226	382528.81	3737582.32	1.99E-05	0.00E+00	0.00E+00	0.00E+00	3.07E-06	0.00E+00	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00
227	382548.81	3737582.32	1.93E-05	0.00E+00	0.00E+00	0.00E+00	2.97E-06	0.00E+00	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00
228	382568.81	3737582.32	1.88E-05	0.00E+00	0.00E+00	0.00E+00	2.89E-06	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00
229	382588.81	3737582.32	1.82E-05	0.00E+00	0.00E+00	0.00E+00	2.81E-06	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00
230	382608.81	3737582.32	1.77E-05	0.00E+00	0.00E+00	0.00E+00	2.73E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
231	382628.81	3737582.32	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.65E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
232	382648.81	3737582.32	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.58E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
233	381628.81	3737602.62	1.72E-04	0.00E+00	0.00E+00	0.00E+00	2.65E-05	0.00E+00	0.00E+00	0.00E+00	1.76E-05	0.00E+00	0.00E+00	0.00E+00
234	381648.81	3737602.62	1.61E-04	0.00E+00	0.00E+00	0.00E+00	2.48E-05	0.00E+00	0.00E+00	0.00E+00	1.65E-05	0.00E+00	0.00E+00	0.00E+00
235	381668.81	3737602.62	1.51E-04	0.00E+00	0.00E+00	0.00E+00	2.32E-05	0.00E+00	0.00E+00	0.00E+00	1.54E-05	0.00E+00	0.00E+00	0.00E+00
236	381688.81	3737602.62	1.41E-04	0.00E+00	0.00E+00	0.00E+00	2.17E-05	0.00E+00	0.00E+00	0.00E+00	1.44E-05	0.00E+00	0.00E+00	0.00E+00
237	381708.81	3737602.62	1.32E-04	0.00E+00	0.00E+00	0.00E+00	2.03E-05	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00
238	381728.81	3737602.62	1.23E-04	0.00E+00	0.00E+00	0.00E+00	1.90E-05	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00
239	381748.81	3737602.62	1.16E-04	0.00E+00	0.00E+00	0.00E+00	1.78E-05	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00
240	381768.81	3737602.62	1.08E-04	0.00E+00	0.00E+00	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00
241	381788.81	3737602.62	1.02E-04	0.00E+00	0.00E+00	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00
242	381808.81	3737602.62	9.54E-05	0.00E+00	0.00E+00	0.00E+00	1.47E-05	0.00E+00	0.00E+00	0.00E+00	9.77E-06	0.00E+00	0.00E+00	0.00E+00
243	381828.81	3737602.62	8.96E-05	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	9.18E-06	0.00E+00	0.00E+00	0.00E+00
244	381848.81	3737602.62	8.43E-05	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	8.64E-06	0.00E+00	0.00E+00	0.00E+00
245	381868.81	3737602.62	7.94E-05	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	8.14E-06	0.00E+00	0.00E+00	0.00E+00
246	381888.81	3737602.62	7.50E-05	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	7.68E-06	0.00E+00	0.00E+00	0.00E+00
247	381908.81	3737602.62	7.08E-05	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	7.26E-06	0.00E+00	0.00E+00	0.00E+00
248	381928.81	3737602.62	6.70E-05	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	6.87E-06	0.00E+00	0.00E+00	0.00E+00
249	381948.81	3737602.62	6.35E-05	0.00E+00	0.00E+00	0.00E+00	9.79E-06	0.00E+00	0.00E+00	0.00E+00	6.50E-06	0.00E+00	0.00E+00	0.00E+00
250	381968.81	3737602.62	6.02E-05	0.00E+00	0.00E+00	0.00E+00	9.28E-06	0.00E+00	0.00E+00	0.00E+00	6.17E-06	0.00E+00	0.00E+00	0.00E+00
251	381988.81	3737602.62	5.72E-05	0.00E+00	0.00E+00	0.00E+00	8.82E-06	0.00E+00	0.00E+00	0.00E+00	5.86E-06	0.00E+00	0.00E+00	0.00E+00
252	382008.81	3737602.62	5.44E-05	0.00E+00	0.00E+00	0.00E+00	8.38E-06	0.00E+00	0.00E+00	0.00E+00	5.57E-06	0.00E+00	0.00E+00	0.00E+00
253	382028.81	3737602.62	5.18E-05	0.00E+00	0.00E+00	0.00E+00	7.98E-06	0.00E+00	0.00E+00	0.00E+00	5.30E-06	0.00E+00	0.00E+00	0.00E+00
254	382048.81	3737602.62	4.93E-05	0.00E+00	0.00E+00	0.00E+00	7.60E-06	0.00E+00	0.00E+00	0.00E+00	5.05E-06	0.00E+00	0.00E+00	0.00E+00
255	382068.81	3737602.62	4.71E-05	0.00E+00	0.00E+00	0.00E+00	7.25E-06	0.00E+00	0.00E+00	0.00E+00	4.82E-06	0.00E+00	0.00E+00	0.00E+00
256	382088.81	3737602.62	4.50E-05	0.00E+00	0.00E+00	0.00E+00	6.93E-06	0.00E+00	0.00E+00	0.00E+00	4.61E-06	0.00E+00	0.00E+00	0.00E+00
257	382108.81	3737602.62	4.30E-05	0.00E+00	0.00E+00	0.00E+00	6.63E-06	0.00E+00	0.00E+00	0.00E+00	4.41E-06	0.00E+00	0.00E+00	0.00E+00
258	382128.81	3737602.62	4.12E-05	0.00E+00	0.00E+00	0.00E+00	6.35E-06	0.00E+00	0.00E+00	0.00E+00	4.22E-06	0.00E+00	0.00E+00	0.00E+00
259	382148.81	3737602.62	3.95E-05	0.00E+00	0.00E+00	0.00E+00	6.08E-06	0.00E+00	0.00E+00	0.00E+00	4.04E-06	0.00E+00	0.00E+00	0.00E+00
260	382168.81	3737602.62	3.78E-05	0.00E+00	0.00E+00	0.00E+00	5.83E-06	0.00E+00	0.00E+00	0.00E+00	3.87E-06	0.00E+00	0.00E+00	0.00E+00
261	382188.81	3737602.62	3.63E-05	0.00E+00	0.00E+00	0.00E+00	5.60E-06	0.00E+00	0.00E+00	0.00E+00	3.72E-06	0.00E+00	0.00E+00	0.00E+00
262	382208.81	3737602.62	3.49E-05	0.00E+00	0.00E+00	0.00E+00	5.37E-06	0.00E+00	0.00E+00	0.00E+00	3.57E-06	0.00E+00	0.00E+00	0.00E+00
263	382228.81	3737602.62	3.35E-05	0.00E+00	0.00E+00	0.00E+00	5.16E-06	0.00E+00	0.00E+00	0.00E+00	3.43E-06	0.00E+00	0.00E+00	0.00E+00
264	382248.81	3737602.62	3.22E-05	0.00E+00	0.00E+00	0.00E+00	4.97E-06	0.00E+00	0.00E+00	0.00E+00	3.30E-06	0.00E+00	0.00E+00	0.00E+00
265	382268.81	3737602.62	3.11E-05	0.00E+00	0.00E+00	0.00E+00	4.79E-06	0.00E+00	0.00E+00	0.00E+00	3.18E-06	0.00E+00	0.00E+00	0.00E+00
266	382288.81	3737602.62	2.99E-05	0.00E+00	0.00E+00	0.00E+00	4.61E-06	0.00E+00	0.00E+00	0.00E+00	3.06E-06	0.00E+00	0.00E+00	0.00E+00

267	382308.81	3737602.62	2.88E-05	0.00E+00	0.00E+00	0.00E+00	4.44E-06	0.00E+00	0.00E+00	0.00E+00	2.95E-06	0.00E+00	0.00E+00	0.00E+00
268	382328.81	3737602.62	2.78E-05	0.00E+00	0.00E+00	0.00E+00	4.29E-06	0.00E+00	0.00E+00	0.00E+00	2.85E-06	0.00E+00	0.00E+00	0.00E+00
269	382348.81	3737602.62	2.68E-05	0.00E+00	0.00E+00	0.00E+00	4.14E-06	0.00E+00	0.00E+00	0.00E+00	2.75E-06	0.00E+00	0.00E+00	0.00E+00
270	382368.81	3737602.62	2.59E-05	0.00E+00	0.00E+00	0.00E+00	3.99E-06	0.00E+00	0.00E+00	0.00E+00	2.65E-06	0.00E+00	0.00E+00	0.00E+00
271	382388.81	3737602.62	2.50E-05	0.00E+00	0.00E+00	0.00E+00	3.86E-06	0.00E+00	0.00E+00	0.00E+00	2.56E-06	0.00E+00	0.00E+00	0.00E+00
272	382408.81	3737602.62	2.42E-05	0.00E+00	0.00E+00	0.00E+00	3.73E-06	0.00E+00	0.00E+00	0.00E+00	2.48E-06	0.00E+00	0.00E+00	0.00E+00
273	382428.81	3737602.62	2.34E-05	0.00E+00	0.00E+00	0.00E+00	3.61E-06	0.00E+00	0.00E+00	0.00E+00	2.40E-06	0.00E+00	0.00E+00	0.00E+00
274	382448.81	3737602.62	2.27E-05	0.00E+00	0.00E+00	0.00E+00	3.49E-06	0.00E+00	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00
275	382468.81	3737602.62	2.20E-05	0.00E+00	0.00E+00	0.00E+00	3.39E-06	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00
276	382488.81	3737602.62	2.13E-05	0.00E+00	0.00E+00	0.00E+00	3.28E-06	0.00E+00	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00
277	382508.81	3737602.62	2.06E-05	0.00E+00	0.00E+00	0.00E+00	3.18E-06	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00
278	382528.81	3737602.62	2.00E-05	0.00E+00	0.00E+00	0.00E+00	3.08E-06	0.00E+00	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00
279	382548.81	3737602.62	1.94E-05	0.00E+00	0.00E+00	0.00E+00	2.99E-06	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00
280	382568.81	3737602.62	1.88E-05	0.00E+00	0.00E+00	0.00E+00	2.90E-06	0.00E+00	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00
281	382588.81	3737602.62	1.83E-05	0.00E+00	0.00E+00	0.00E+00	2.82E-06	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00
282	382608.81	3737602.62	1.78E-05	0.00E+00	0.00E+00	0.00E+00	2.74E-06	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00
283	382628.81	3737602.62	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.67E-06	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00
284	382648.81	3737602.62	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.60E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
285	381628.81	3737622.92	1.69E-04	0.00E+00	0.00E+00	0.00E+00	2.60E-05	0.00E+00	0.00E+00	0.00E+00	1.73E-05	0.00E+00	0.00E+00	0.00E+00
286	381648.81	3737622.92	1.59E-04	0.00E+00	0.00E+00	0.00E+00	2.44E-05	0.00E+00	0.00E+00	0.00E+00	1.62E-05	0.00E+00	0.00E+00	0.00E+00
287	381668.81	3737622.92	1.49E-04	0.00E+00	0.00E+00	0.00E+00	2.29E-05	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00
288	381688.81	3737622.92	1.39E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	0.00E+00	0.00E+00	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00
289	381708.81	3737622.92	1.31E-04	0.00E+00	0.00E+00	0.00E+00	2.01E-05	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00
290	381728.81	3737622.92	1.22E-04	0.00E+00	0.00E+00	0.00E+00	1.89E-05	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00
291	381748.81	3737622.92	1.15E-04	0.00E+00	0.00E+00	0.00E+00	1.77E-05	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00
292	381768.81	3737622.92	1.08E-04	0.00E+00	0.00E+00	0.00E+00	1.66E-05	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00
293	381788.81	3737622.92	1.01E-04	0.00E+00	0.00E+00	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00
294	381808.81	3737622.92	9.52E-05	0.00E+00	0.00E+00	0.00E+00	1.47E-05	0.00E+00	0.00E+00	0.00E+00	9.75E-06	0.00E+00	0.00E+00	0.00E+00
295	381828.81	3737622.92	8.95E-05	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	9.17E-06	0.00E+00	0.00E+00	0.00E+00
296	381848.81	3737622.92	8.43E-05	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	8.63E-06	0.00E+00	0.00E+00	0.00E+00
297	381868.81	3737622.92	7.95E-05	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	8.14E-06	0.00E+00	0.00E+00	0.00E+00
298	381888.81	3737622.92	7.50E-05	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	7.68E-06	0.00E+00	0.00E+00	0.00E+00
299	381908.81	3737622.92	7.09E-05	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	7.26E-06	0.00E+00	0.00E+00	0.00E+00
300	381928.81	3737622.92	6.71E-05	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	6.87E-06	0.00E+00	0.00E+00	0.00E+00
301	381948.81	3737622.92	6.36E-05	0.00E+00	0.00E+00	0.00E+00	9.80E-06	0.00E+00	0.00E+00	0.00E+00	6.51E-06	0.00E+00	0.00E+00	0.00E+00
302	381968.81	3737622.92	6.03E-05	0.00E+00	0.00E+00	0.00E+00	9.30E-06	0.00E+00	0.00E+00	0.00E+00	6.18E-06	0.00E+00	0.00E+00	0.00E+00
303	381988.81	3737622.92	5.73E-05	0.00E+00	0.00E+00	0.00E+00	8.83E-06	0.00E+00	0.00E+00	0.00E+00	5.87E-06	0.00E+00	0.00E+00	0.00E+00
304	382008.81	3737622.92	5.45E-05	0.00E+00	0.00E+00	0.00E+00	8.40E-06	0.00E+00	0.00E+00	0.00E+00	5.58E-06	0.00E+00	0.00E+00	0.00E+00
305	382028.81	3737622.92	5.19E-05	0.00E+00	0.00E+00	0.00E+00	8.00E-06	0.00E+00	0.00E+00	0.00E+00	5.32E-06	0.00E+00	0.00E+00	0.00E+00
306	382048.81	3737622.92	4.95E-05	0.00E+00	0.00E+00	0.00E+00	7.63E-06	0.00E+00	0.00E+00	0.00E+00	5.07E-06	0.00E+00	0.00E+00	0.00E+00
307	382068.81	3737622.92	4.72E-05	0.00E+00	0.00E+00	0.00E+00	7.28E-06	0.00E+00	0.00E+00	0.00E+00	4.84E-06	0.00E+00	0.00E+00	0.00E+00
308	382088.81	3737622.92	4.51E-05	0.00E+00	0.00E+00	0.00E+00	6.95E-06	0.00E+00	0.00E+00	0.00E+00	4.62E-06	0.00E+00	0.00E+00	0.00E+00
309	382108.81	3737622.92	4.32E-05	0.00E+00	0.00E+00	0.00E+00	6.65E-06	0.00E+00	0.00E+00	0.00E+00	4.42E-06	0.00E+00	0.00E+00	0.00E+00
310	382128.81	3737622.92	4.13E-05	0.00E+00	0.00E+00	0.00E+00	6.37E-06	0.00E+00	0.00E+00	0.00E+00	4.23E-06	0.00E+00	0.00E+00	0.00E+00
311	382148.81	3737622.92	3.96E-05	0.00E+00	0.00E+00	0.00E+00	6.10E-06	0.00E+00	0.00E+00	0.00E+00	4.06E-06	0.00E+00	0.00E+00	0.00E+00
312	382168.81	3737622.92	3.80E-05	0.00E+00	0.00E+00	0.00E+00	5.85E-06	0.00E+00	0.00E+00	0.00E+00	3.89E-06	0.00E+00	0.00E+00	0.00E+00
313	382188.81	3737622.92	3.65E-05	0.00E+00	0.00E+00	0.00E+00	5.62E-06	0.00E+00	0.00E+00	0.00E+00	3.73E-06	0.00E+00	0.00E+00	0.00E+00
314	382208.81	3737622.92	3.50E-05	0.00E+00	0.00E+00	0.00E+00	5.40E-06	0.00E+00	0.00E+00	0.00E+00	3.59E-06	0.00E+00	0.00E+00	0.00E+00
315	382228.81	3737622.92	3.37E-05	0.00E+00	0.00E+00	0.00E+00	5.19E-06	0.00E+00	0.00E+00	0.00E+00	3.45E-06	0.00E+00	0.00E+00	0.00E+00
316	382248.81	3737622.92	3.24E-05	0.00E+00	0.00E+00	0.00E+00	4.99E-06	0.00E+00	0.00E+00	0.00E+00	3.32E-06	0.00E+00	0.00E+00	0.00E+00
317	382268.81	3737622.92	3.12E-05	0.00E+00	0.00E+00	0.00E+00	4.81E-06	0.00E+00	0.00E+00	0.00E+00	3.19E-06	0.00E+00	0.00E+00	0.00E+00
318	382288.81	3737622.92	3.00E-05	0.00E+00	0.00E+00	0.00E+00	4.63E-06	0.00E+00	0.00E+00	0.00E+00	3.08E-06	0.00E+00	0.00E+00	0.00E+00
319	382308.81	3737622.92	2.90E-05	0.00E+00	0.00E+00	0.00E+00	4.46E-06	0.00E+00	0.00E+00	0.00E+00	2.97E-06	0.00E+00	0.00E+00	0.00E+00
320	382328.81	3737622.92	2.79E-05	0.00E+00	0.00E+00	0.00E+00	4.30E-06	0.00E+00	0.00E+00	0.00E+00	2.86E-06	0.00E+00	0.00E+00	0.00E+00
321	382348.81	3737622.92	2.70E-05	0.00E+00	0.00E+00	0.00E+00	4.15E-06	0.00E+00	0.00E+00	0.00E+00	2.76E-06	0.00E+00	0.00E+00	0.00E+00
322	382368.81	3737622.92	2.60E-05	0.00E+00	0.00E+00	0.00E+00	4.01E-06	0.00E+00	0.00E+00	0.00E+00	2.67E-06	0.00E+00	0.00E+00	0.00E+00
323	382388.81	3737622.92	2.52E-05	0.00E+00	0.00E+00	0.00E+00	3.88E-06	0.00E+00	0.00E+00	0.00E+00	2.58E-06	0.00E+00	0.00E+00	0.00E+00
324	382408.81	3737622.92	2.43E-05	0.00E+00	0.00E+00	0.00E+00	3.75E-06	0.00E+00	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00
325	382428.81	3737622.92	2.35E-05	0.00E+00	0.00E+00	0.00E+00	3.63E-06	0.00E+00	0.00E+00	0.00E+00	2.41E-06	0.00E+00	0.00E+00	0.00E+00
326	382448.81	3737622.92	2.28E-05	0.00E+00	0.00E+00	0.00E+00	3.51E-06	0.00E+00	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00
327	382468.81	3737622.92	2.21E-05	0.00E+00	0.00E+00	0.00E+00	3.40E-06	0.00E+00	0.00E+00	0.00E+00	2.26E-06	0.00E+00	0.00E+00	0.00E+00
328	382488.81	3737622.92	2.14E-05	0.00E+00	0.00E+00	0.00E+00	3.30E-06	0.00E+00	0.00E+00	0.00E+00	2.19E-06	0.00E+00	0.00E+00	0.00E+00
329	382508.81	3737622.92	2.07E-05	0.00E+00	0.00E+00	0.00E+00	3.19E-06	0.00E+00	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00
330	382528.81	3737622.92	2.01E-05	0.00E+00	0.00E+00	0.00E+00	3.10E-06	0.00E+00	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00
331	382548.81	3737622.92	1.95E-05	0.00E+00	0.00E+00	0.00E+00	3.01E-06	0.00E+00	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00
332	382568.81	3737622.92	1.90E-05	0.00E+00	0.00E+00	0.00E+00	2.92E-06	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00
333	382588.81	3737622.92	1.84E-05	0.00E+00	0.00E+00	0.00E+00	2.84E-06	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00
334	382608.81	3737622.92	1.79E-05	0.00E+00	0.00E+00	0.00E+00	2.76E-06	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00
335	382628.81	3737622.92	1.74E-05	0.00E+00	0.00E+00	0.00E+00	2.68E-06	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00
336	382648.81	3737622.92	1.69E-05	0.00E+00	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00
337	381628.81	3737643.22	1.66E-04	0.00E+00	0.00E+00	0.00E+00	2.56E-05	0.00E+00	0.00E+00	0.00E+00	1.70E-05	0.00E+00	0.00E+00	0.00E+00
338	381648.81	3737643.22	1.56E-04	0.00E+00	0.00E+00	0.00E+00	2.41E-05	0.00E+00	0.00E+00	0.00E+00	1.60E-05	0.00E+00	0.00E+00	0.00E+00
339	381668.81	3737643.22	1.47E-04	0.00E+00	0.00E+00	0.00E+00	2.26E-05	0.00E+00	0.00E+00	0.00E+00	1.50E-05	0.00E+00	0.00E+00	0.00E+00
340	381688.81	3737643.22	1.38E-04	0.00E+00	0.00E+00	0.00E+00	2.13E-05	0.00E+00	0.00E+00	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00
341	381708.81	3737643.22	1.29E-04	0.00E+00	0.00E+00	0.00E+00	2.00E-05	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00
342	381728.81	3737643.22	1.22E-04	0.00E+00	0.00E+00	0.00E+00	1.87E-05	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00
343	381748.81	3737643.22	1.14E-04	0.00E+00	0.00E+00	0.00E+00	1.76E-05	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00
344	381768.81	3737643.22	1.07E-04	0.00E+00	0.00E+00	0.00E+00	1.65E-05	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00
345	381788.81	3737643.22	1.01E-04	0.00E+00	0.00E+00	0.00E+00	1.55E-05	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00
346	381808.81	3737643.22	9.49E-05	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	9.72E-06	0.00E+00	0.00E+00	0.00E+00
347	381828.81	3737643.22	8.94E-05	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	9.15E-06	0.00E+00	0.00E+00	0.00E+00
348	381848.81	3737643.22	8.42E-05	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	8.62E-06	0.00E+00	0.00E+00	0.00E+00
349	381868.81	3737643.22	7.94E-05	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	8.14E-06	0.00E+00	0.00E+00	0.00E+00
350	381888.81	3737643.22	7.50E-05	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	7.68E-06	0.00E+00	0.00E+00	0.00E+00
351	381908.81	3737643.22	7.09E-05	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	7.27E-06	0.00E+00	0.00E+00	0.00E+00
352	381928.81	3737643.22	6.72E-05	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	6.88E-06	0.00E+00	0.00E+00	0.00E+00
353	381948.81	3737643.22	6.37E-05	0.00E+00	0.00E+00	0.00E+00	9.81E-06	0.00E+00	0.00E+00	0.00E+00	6.52E-06	0.00E+00	0.00E+00	0.00E+00
354	381968.81	3737643.22	6.04E-05	0.00E+00	0.00E+00	0.00E+00	9.31E-06	0.00E+00	0.00E+00	0.00E+00	6.19E-06	0.00E+00	0.00E+00	0.00E+00
355	381988.81	3737643.22	5.74E-05	0.00E+00	0.00E+00	0.00E+00	8.85E-06	0.00E+00	0.00E+00	0.00E+00	5.88E-06	0.00E+00	0.00E+00	0.00E+00
356	382008.81	3737643.22	5.46E-05	0.00E+00	0.00E+00	0.00E+00	8.42E-06	0.00E+00	0.00E+00	0.00E+00	5.59E-06	0.00E+00	0.00E+00	0.00E+00

357	382028.81	3737643.22	5.20E-05	0.00E+00	0.00E+00	0.00E+00	8.02E-06	0.00E+00	0.00E+00	0.00E+00	5.33E-06	0.00E+00	0.00E+00	0.00E+00
358	382048.81	3737643.22	4.96E-05	0.00E+00	0.00E+00	0.00E+00	7.65E-06	0.00E+00	0.00E+00	0.00E+00	5.08E-06	0.00E+00	0.00E+00	0.00E+00
359	382068.81	3737643.22	4.74E-05	0.00E+00	0.00E+00	0.00E+00	7.30E-06	0.00E+00	0.00E+00	0.00E+00	4.85E-06	0.00E+00	0.00E+00	0.00E+00
360	382088.81	3737643.22	4.53E-05	0.00E+00	0.00E+00	0.00E+00	6.98E-06	0.00E+00	0.00E+00	0.00E+00	4.64E-06	0.00E+00	0.00E+00	0.00E+00
361	382108.81	3737643.22	4.33E-05	0.00E+00	0.00E+00	0.00E+00	6.67E-06	0.00E+00	0.00E+00	0.00E+00	4.44E-06	0.00E+00	0.00E+00	0.00E+00
362	382128.81	3737643.22	4.15E-05	0.00E+00	0.00E+00	0.00E+00	6.39E-06	0.00E+00	0.00E+00	0.00E+00	4.25E-06	0.00E+00	0.00E+00	0.00E+00
363	382148.81	3737643.22	3.97E-05	0.00E+00	0.00E+00	0.00E+00	6.12E-06	0.00E+00	0.00E+00	0.00E+00	4.07E-06	0.00E+00	0.00E+00	0.00E+00
364	382168.81	3737643.22	3.81E-05	0.00E+00	0.00E+00	0.00E+00	5.87E-06	0.00E+00	0.00E+00	0.00E+00	3.90E-06	0.00E+00	0.00E+00	0.00E+00
365	382188.81	3737643.22	3.66E-05	0.00E+00	0.00E+00	0.00E+00	5.64E-06	0.00E+00	0.00E+00	0.00E+00	3.75E-06	0.00E+00	0.00E+00	0.00E+00
366	382208.81	3737643.22	3.51E-05	0.00E+00	0.00E+00	0.00E+00	5.42E-06	0.00E+00	0.00E+00	0.00E+00	3.60E-06	0.00E+00	0.00E+00	0.00E+00
367	382228.81	3737643.22	3.38E-05	0.00E+00	0.00E+00	0.00E+00	5.21E-06	0.00E+00	0.00E+00	0.00E+00	3.46E-06	0.00E+00	0.00E+00	0.00E+00
368	382248.81	3737643.22	3.25E-05	0.00E+00	0.00E+00	0.00E+00	5.01E-06	0.00E+00	0.00E+00	0.00E+00	3.33E-06	0.00E+00	0.00E+00	0.00E+00
369	382268.81	3737643.22	3.13E-05	0.00E+00	0.00E+00	0.00E+00	4.83E-06	0.00E+00	0.00E+00	0.00E+00	3.21E-06	0.00E+00	0.00E+00	0.00E+00
370	382288.81	3737643.22	3.02E-05	0.00E+00	0.00E+00	0.00E+00	4.65E-06	0.00E+00	0.00E+00	0.00E+00	3.09E-06	0.00E+00	0.00E+00	0.00E+00
371	382308.81	3737643.22	2.91E-05	0.00E+00	0.00E+00	0.00E+00	4.48E-06	0.00E+00	0.00E+00	0.00E+00	2.98E-06	0.00E+00	0.00E+00	0.00E+00
372	382328.81	3737643.22	2.81E-05	0.00E+00	0.00E+00	0.00E+00	4.33E-06	0.00E+00	0.00E+00	0.00E+00	2.87E-06	0.00E+00	0.00E+00	0.00E+00
373	382348.81	3737643.22	2.71E-05	0.00E+00	0.00E+00	0.00E+00	4.18E-06	0.00E+00	0.00E+00	0.00E+00	2.78E-06	0.00E+00	0.00E+00	0.00E+00
374	382368.81	3737643.22	2.62E-05	0.00E+00	0.00E+00	0.00E+00	4.03E-06	0.00E+00	0.00E+00	0.00E+00	2.68E-06	0.00E+00	0.00E+00	0.00E+00
375	382388.81	3737643.22	2.53E-05	0.00E+00	0.00E+00	0.00E+00	3.90E-06	0.00E+00	0.00E+00	0.00E+00	2.59E-06	0.00E+00	0.00E+00	0.00E+00
376	382408.81	3737643.22	2.45E-05	0.00E+00	0.00E+00	0.00E+00	3.77E-06	0.00E+00	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00
377	382428.81	3737643.22	2.37E-05	0.00E+00	0.00E+00	0.00E+00	3.65E-06	0.00E+00	0.00E+00	0.00E+00	2.42E-06	0.00E+00	0.00E+00	0.00E+00
378	382448.81	3737643.22	2.29E-05	0.00E+00	0.00E+00	0.00E+00	3.53E-06	0.00E+00	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00
379	382468.81	3737643.22	2.22E-05	0.00E+00	0.00E+00	0.00E+00	3.42E-06	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00
380	382488.81	3737643.22	2.15E-05	0.00E+00	0.00E+00	0.00E+00	3.31E-06	0.00E+00	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00
381	382508.81	3737643.22	2.09E-05	0.00E+00	0.00E+00	0.00E+00	3.21E-06	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00
382	382528.81	3737643.22	2.02E-05	0.00E+00	0.00E+00	0.00E+00	3.12E-06	0.00E+00	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00
383	382548.81	3737643.22	1.96E-05	0.00E+00	0.00E+00	0.00E+00	3.02E-06	0.00E+00	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00
384	382568.81	3737643.22	1.90E-05	0.00E+00	0.00E+00	0.00E+00	2.93E-06	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00
385	382588.81	3737643.22	1.85E-05	0.00E+00	0.00E+00	0.00E+00	2.85E-06	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00
386	382608.81	3737643.22	1.80E-05	0.00E+00	0.00E+00	0.00E+00	2.77E-06	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00
387	382628.81	3737643.22	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
388	382648.81	3737643.22	1.70E-05	0.00E+00	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
389	381628.81	3737663.52	1.63E-04	0.00E+00	0.00E+00	0.00E+00	2.51E-05	0.00E+00	0.00E+00	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00
390	381648.81	3737663.52	1.54E-04	0.00E+00	0.00E+00	0.00E+00	2.37E-05	0.00E+00	0.00E+00	0.00E+00	1.57E-05	0.00E+00	0.00E+00	0.00E+00
391	381668.81	3737663.52	1.45E-04	0.00E+00	0.00E+00	0.00E+00	2.23E-05	0.00E+00	0.00E+00	0.00E+00	1.48E-05	0.00E+00	0.00E+00	0.00E+00
392	381688.81	3737663.52	1.36E-04	0.00E+00	0.00E+00	0.00E+00	2.10E-05	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00
393	381708.81	3737663.52	1.28E-04	0.00E+00	0.00E+00	0.00E+00	1.98E-05	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00
394	381728.81	3737663.52	1.21E-04	0.00E+00	0.00E+00	0.00E+00	1.86E-05	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00
395	381748.81	3737663.52	1.13E-04	0.00E+00	0.00E+00	0.00E+00	1.75E-05	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00
396	381768.81	3737663.52	1.07E-04	0.00E+00	0.00E+00	0.00E+00	1.64E-05	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00
397	381788.81	3737663.52	1.00E-04	0.00E+00	0.00E+00	0.00E+00	1.55E-05	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00
398	381808.81	3737663.52	9.46E-05	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	9.69E-06	0.00E+00	0.00E+00	0.00E+00
399	381828.81	3737663.52	8.91E-05	0.00E+00	0.00E+00	0.00E+00	1.37E-05	0.00E+00	0.00E+00	0.00E+00	9.13E-06	0.00E+00	0.00E+00	0.00E+00
400	381848.81	3737663.52	8.41E-05	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	8.61E-06	0.00E+00	0.00E+00	0.00E+00
401	381868.81	3737663.52	7.94E-05	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	8.13E-06	0.00E+00	0.00E+00	0.00E+00
402	381888.81	3737663.52	7.50E-05	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	7.68E-06	0.00E+00	0.00E+00	0.00E+00
403	381908.81	3737663.52	7.10E-05	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	7.27E-06	0.00E+00	0.00E+00	0.00E+00
404	381928.81	3737663.52	6.72E-05	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	6.88E-06	0.00E+00	0.00E+00	0.00E+00
405	381948.81	3737663.52	6.37E-05	0.00E+00	0.00E+00	0.00E+00	9.82E-06	0.00E+00	0.00E+00	0.00E+00	6.53E-06	0.00E+00	0.00E+00	0.00E+00
406	381968.81	3737663.52	6.05E-05	0.00E+00	0.00E+00	0.00E+00	9.32E-06	0.00E+00	0.00E+00	0.00E+00	6.20E-06	0.00E+00	0.00E+00	0.00E+00
407	381988.81	3737663.52	5.75E-05	0.00E+00	0.00E+00	0.00E+00	8.86E-06	0.00E+00	0.00E+00	0.00E+00	5.89E-06	0.00E+00	0.00E+00	0.00E+00
408	382008.81	3737663.52	5.47E-05	0.00E+00	0.00E+00	0.00E+00	8.43E-06	0.00E+00	0.00E+00	0.00E+00	5.60E-06	0.00E+00	0.00E+00	0.00E+00
409	382028.81	3737663.52	5.21E-05	0.00E+00	0.00E+00	0.00E+00	8.03E-06	0.00E+00	0.00E+00	0.00E+00	5.34E-06	0.00E+00	0.00E+00	0.00E+00
410	382048.81	3737663.52	4.97E-05	0.00E+00	0.00E+00	0.00E+00	7.66E-06	0.00E+00	0.00E+00	0.00E+00	5.09E-06	0.00E+00	0.00E+00	0.00E+00
411	382068.81	3737663.52	4.75E-05	0.00E+00	0.00E+00	0.00E+00	7.32E-06	0.00E+00	0.00E+00	0.00E+00	4.86E-06	0.00E+00	0.00E+00	0.00E+00
412	382088.81	3737663.52	4.54E-05	0.00E+00	0.00E+00	0.00E+00	7.00E-06	0.00E+00	0.00E+00	0.00E+00	4.65E-06	0.00E+00	0.00E+00	0.00E+00
413	382108.81	3737663.52	4.34E-05	0.00E+00	0.00E+00	0.00E+00	6.69E-06	0.00E+00	0.00E+00	0.00E+00	4.45E-06	0.00E+00	0.00E+00	0.00E+00
414	382128.81	3737663.52	4.16E-05	0.00E+00	0.00E+00	0.00E+00	6.41E-06	0.00E+00	0.00E+00	0.00E+00	4.26E-06	0.00E+00	0.00E+00	0.00E+00
415	382148.81	3737663.52	3.99E-05	0.00E+00	0.00E+00	0.00E+00	6.14E-06	0.00E+00	0.00E+00	0.00E+00	4.08E-06	0.00E+00	0.00E+00	0.00E+00
416	382168.81	3737663.52	3.83E-05	0.00E+00	0.00E+00	0.00E+00	5.90E-06	0.00E+00	0.00E+00	0.00E+00	3.92E-06	0.00E+00	0.00E+00	0.00E+00
417	382188.81	3737663.52	3.67E-05	0.00E+00	0.00E+00	0.00E+00	5.66E-06	0.00E+00	0.00E+00	0.00E+00	3.76E-06	0.00E+00	0.00E+00	0.00E+00
418	382208.81	3737663.52	3.53E-05	0.00E+00	0.00E+00	0.00E+00	5.44E-06	0.00E+00	0.00E+00	0.00E+00	3.61E-06	0.00E+00	0.00E+00	0.00E+00
419	382228.81	3737663.52	3.39E-05	0.00E+00	0.00E+00	0.00E+00	5.23E-06	0.00E+00	0.00E+00	0.00E+00	3.47E-06	0.00E+00	0.00E+00	0.00E+00
420	382248.81	3737663.52	3.27E-05	0.00E+00	0.00E+00	0.00E+00	5.03E-06	0.00E+00	0.00E+00	0.00E+00	3.34E-06	0.00E+00	0.00E+00	0.00E+00
421	382268.81	3737663.52	3.15E-05	0.00E+00	0.00E+00	0.00E+00	4.85E-06	0.00E+00	0.00E+00	0.00E+00	3.22E-06	0.00E+00	0.00E+00	0.00E+00
422	382288.81	3737663.52	3.03E-05	0.00E+00	0.00E+00	0.00E+00	4.67E-06	0.00E+00	0.00E+00	0.00E+00	3.10E-06	0.00E+00	0.00E+00	0.00E+00
423	382308.81	3737663.52	2.92E-05	0.00E+00	0.00E+00	0.00E+00	4.50E-06	0.00E+00	0.00E+00	0.00E+00	2.99E-06	0.00E+00	0.00E+00	0.00E+00
424	382328.81	3737663.52	2.82E-05	0.00E+00	0.00E+00	0.00E+00	4.34E-06	0.00E+00	0.00E+00	0.00E+00	2.89E-06	0.00E+00	0.00E+00	0.00E+00
425	382348.81	3737663.52	2.72E-05	0.00E+00	0.00E+00	0.00E+00	4.19E-06	0.00E+00	0.00E+00	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00
426	382368.81	3737663.52	2.63E-05	0.00E+00	0.00E+00	0.00E+00	4.05E-06	0.00E+00	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00
427	382388.81	3737663.52	2.54E-05	0.00E+00	0.00E+00	0.00E+00	3.92E-06	0.00E+00	0.00E+00	0.00E+00	2.60E-06	0.00E+00	0.00E+00	0.00E+00
428	382408.81	3737663.52	2.46E-05	0.00E+00	0.00E+00	0.00E+00	3.79E-06	0.00E+00	0.00E+00	0.00E+00	2.52E-06	0.00E+00	0.00E+00	0.00E+00
429	382428.81	3737663.52	2.38E-05	0.00E+00	0.00E+00	0.00E+00	3.67E-06	0.00E+00	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00
430	382448.81	3737663.52	2.30E-05	0.00E+00	0.00E+00	0.00E+00	3.55E-06	0.00E+00	0.00E+00	0.00E+00	2.36E-06	0.00E+00	0.00E+00	0.00E+00
431	382468.81	3737663.52	2.23E-05	0.00E+00	0.00E+00	0.00E+00	3.44E-06	0.00E+00	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00
432	382488.81	3737663.52	2.16E-05	0.00E+00	0.00E+00	0.00E+00	3.33E-06	0.00E+00	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00
433	382508.81	3737663.52	2.10E-05	0.00E+00	0.00E+00	0.00E+00	3.23E-06	0.00E+00	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00
434	382528.81	3737663.52	2.03E-05	0.00E+00	0.00E+00	0.00E+00	3.13E-06	0.00E+00	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00
435	382548.81	3737663.52	1.97E-05	0.00E+00	0.00E+00	0.00E+00	3.04E-06	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00
436	382568.81	3737663.52	1.91E-05	0.00E+00	0.00E+00	0.00E+00	2.95E-06	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00
437	382588.81	3737663.52	1.86E-05	0.00E+00	0.00E+00	0.00E+00	2.87E-06	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00
438	382608.81	3737663.52	1.81E-05	0.00E+00	0.00E+00	0.00E+00	2.78E-06	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00
439	382628.81	3737663.52	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.71E-06	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00
440	382648.81	3737663.52	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.63E-06	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00
441	381628.81	3737683.82	1.60E-04	0.00E+00	0.00E+00	0.00E+00	2.47E-05	0.00E+00	0.00E+00	0.00E+00	1.64E-05	0.00E+00	0.00E+00	0.00E+00
442	381648.81	3737683.82	1.51E-04	0.00E+00	0.00E+00	0.00E+00	2.33E-05	0.00E+00	0.00E+00	0.00E+00	1.55E-05	0.00E+00	0.00E+00	0.00E+00
443	381668.81	3737683.82	1.43E-04	0.00E+00	0.00E+00	0.00E+00	2.20E-05	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00
444	381688.81	3737683.82	1.35E-04	0.00E+00	0.00E+00	0.00E+00	2.08E-05	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00
445	381708.81	3737683.82	1.27E-04	0.00E+00	0.00E+00	0.00E+00	1.96E-05	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00
446	381728.81	3737683.82	1.20E-04	0.00E+00	0.00E+00	0.00E+00	1.84E-05	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00

447	381748.81	3737683.82	1.13E-04	0.00E+00	0.00E+00	0.00E+00	1.74E-05	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00
448	381768.81	3737683.82	1.06E-04	0.00E+00	0.00E+00	0.00E+00	1.64E-05	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00
449	381788.81	3737683.82	1.00E-04	0.00E+00	0.00E+00	0.00E+00	1.54E-05	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00
450	381808.81	3737683.82	9.42E-05	0.00E+00	0.00E+00	0.00E+00	1.45E-05	0.00E+00	0.00E+00	0.00E+00	9.65E-06	0.00E+00	0.00E+00	0.00E+00
451	381828.81	3737683.82	8.89E-05	0.00E+00	0.00E+00	0.00E+00	1.37E-05	0.00E+00	0.00E+00	0.00E+00	9.11E-06	0.00E+00	0.00E+00	0.00E+00
452	381848.81	3737683.82	8.39E-05	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	8.59E-06	0.00E+00	0.00E+00	0.00E+00
453	381868.81	3737683.82	7.93E-05	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	8.12E-06	0.00E+00	0.00E+00	0.00E+00
454	381888.81	3737683.82	7.50E-05	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	7.68E-06	0.00E+00	0.00E+00	0.00E+00
455	381908.81	3737683.82	7.09E-05	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	7.27E-06	0.00E+00	0.00E+00	0.00E+00
456	381928.81	3737683.82	6.72E-05	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	6.89E-06	0.00E+00	0.00E+00	0.00E+00
457	381948.81	3737683.82	6.38E-05	0.00E+00	0.00E+00	0.00E+00	9.83E-06	0.00E+00	0.00E+00	0.00E+00	6.53E-06	0.00E+00	0.00E+00	0.00E+00
458	381968.81	3737683.82	6.05E-05	0.00E+00	0.00E+00	0.00E+00	9.33E-06	0.00E+00	0.00E+00	0.00E+00	6.20E-06	0.00E+00	0.00E+00	0.00E+00
459	381988.81	3737683.82	5.75E-05	0.00E+00	0.00E+00	0.00E+00	8.87E-06	0.00E+00	0.00E+00	0.00E+00	5.89E-06	0.00E+00	0.00E+00	0.00E+00
460	382008.81	3737683.82	5.48E-05	0.00E+00	0.00E+00	0.00E+00	8.44E-06	0.00E+00	0.00E+00	0.00E+00	5.61E-06	0.00E+00	0.00E+00	0.00E+00
461	382028.81	3737683.82	5.22E-05	0.00E+00	0.00E+00	0.00E+00	8.04E-06	0.00E+00	0.00E+00	0.00E+00	5.35E-06	0.00E+00	0.00E+00	0.00E+00
462	382048.81	3737683.82	4.98E-05	0.00E+00	0.00E+00	0.00E+00	7.68E-06	0.00E+00	0.00E+00	0.00E+00	5.10E-06	0.00E+00	0.00E+00	0.00E+00
463	382068.81	3737683.82	4.76E-05	0.00E+00	0.00E+00	0.00E+00	7.34E-06	0.00E+00	0.00E+00	0.00E+00	4.87E-06	0.00E+00	0.00E+00	0.00E+00
464	382088.81	3737683.82	4.55E-05	0.00E+00	0.00E+00	0.00E+00	7.01E-06	0.00E+00	0.00E+00	0.00E+00	4.66E-06	0.00E+00	0.00E+00	0.00E+00
465	382108.81	3737683.82	4.36E-05	0.00E+00	0.00E+00	0.00E+00	6.71E-06	0.00E+00	0.00E+00	0.00E+00	4.46E-06	0.00E+00	0.00E+00	0.00E+00
466	382128.81	3737683.82	4.17E-05	0.00E+00	0.00E+00	0.00E+00	6.43E-06	0.00E+00	0.00E+00	0.00E+00	4.27E-06	0.00E+00	0.00E+00	0.00E+00
467	382148.81	3737683.82	4.00E-05	0.00E+00	0.00E+00	0.00E+00	6.16E-06	0.00E+00	0.00E+00	0.00E+00	4.09E-06	0.00E+00	0.00E+00	0.00E+00
468	382168.81	3737683.82	3.84E-05	0.00E+00	0.00E+00	0.00E+00	5.91E-06	0.00E+00	0.00E+00	0.00E+00	3.93E-06	0.00E+00	0.00E+00	0.00E+00
469	382188.81	3737683.82	3.68E-05	0.00E+00	0.00E+00	0.00E+00	5.68E-06	0.00E+00	0.00E+00	0.00E+00	3.77E-06	0.00E+00	0.00E+00	0.00E+00
470	382208.81	3737683.82	3.54E-05	0.00E+00	0.00E+00	0.00E+00	5.46E-06	0.00E+00	0.00E+00	0.00E+00	3.63E-06	0.00E+00	0.00E+00	0.00E+00
471	382228.81	3737683.82	3.41E-05	0.00E+00	0.00E+00	0.00E+00	5.25E-06	0.00E+00	0.00E+00	0.00E+00	3.49E-06	0.00E+00	0.00E+00	0.00E+00
472	382248.81	3737683.82	3.28E-05	0.00E+00	0.00E+00	0.00E+00	5.05E-06	0.00E+00	0.00E+00	0.00E+00	3.36E-06	0.00E+00	0.00E+00	0.00E+00
473	382268.81	3737683.82	3.16E-05	0.00E+00	0.00E+00	0.00E+00	4.87E-06	0.00E+00	0.00E+00	0.00E+00	3.23E-06	0.00E+00	0.00E+00	0.00E+00
474	382288.81	3737683.82	3.04E-05	0.00E+00	0.00E+00	0.00E+00	4.69E-06	0.00E+00	0.00E+00	0.00E+00	3.12E-06	0.00E+00	0.00E+00	0.00E+00
475	382308.81	3737683.82	2.93E-05	0.00E+00	0.00E+00	0.00E+00	4.52E-06	0.00E+00	0.00E+00	0.00E+00	3.01E-06	0.00E+00	0.00E+00	0.00E+00
476	382328.81	3737683.82	2.83E-05	0.00E+00	0.00E+00	0.00E+00	4.36E-06	0.00E+00	0.00E+00	0.00E+00	2.90E-06	0.00E+00	0.00E+00	0.00E+00
477	382348.81	3737683.82	2.73E-05	0.00E+00	0.00E+00	0.00E+00	4.21E-06	0.00E+00	0.00E+00	0.00E+00	2.80E-06	0.00E+00	0.00E+00	0.00E+00
478	382368.81	3737683.82	2.64E-05	0.00E+00	0.00E+00	0.00E+00	4.07E-06	0.00E+00	0.00E+00	0.00E+00	2.71E-06	0.00E+00	0.00E+00	0.00E+00
479	382388.81	3737683.82	2.55E-05	0.00E+00	0.00E+00	0.00E+00	3.94E-06	0.00E+00	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00
480	382408.81	3737683.82	2.47E-05	0.00E+00	0.00E+00	0.00E+00	3.81E-06	0.00E+00	0.00E+00	0.00E+00	2.53E-06	0.00E+00	0.00E+00	0.00E+00
481	382428.81	3737683.82	2.39E-05	0.00E+00	0.00E+00	0.00E+00	3.68E-06	0.00E+00	0.00E+00	0.00E+00	2.45E-06	0.00E+00	0.00E+00	0.00E+00
482	382448.81	3737683.82	2.31E-05	0.00E+00	0.00E+00	0.00E+00	3.57E-06	0.00E+00	0.00E+00	0.00E+00	2.37E-06	0.00E+00	0.00E+00	0.00E+00
483	382468.81	3737683.82	2.24E-05	0.00E+00	0.00E+00	0.00E+00	3.46E-06	0.00E+00	0.00E+00	0.00E+00	2.30E-06	0.00E+00	0.00E+00	0.00E+00
484	382488.81	3737683.82	2.17E-05	0.00E+00	0.00E+00	0.00E+00	3.35E-06	0.00E+00	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00
485	382508.81	3737683.82	2.11E-05	0.00E+00	0.00E+00	0.00E+00	3.25E-06	0.00E+00	0.00E+00	0.00E+00	2.16E-06	0.00E+00	0.00E+00	0.00E+00
486	382528.81	3737683.82	2.04E-05	0.00E+00	0.00E+00	0.00E+00	3.15E-06	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00
487	382548.81	3737683.82	1.98E-05	0.00E+00	0.00E+00	0.00E+00	3.06E-06	0.00E+00	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00
488	382568.81	3737683.82	1.92E-05	0.00E+00	0.00E+00	0.00E+00	2.97E-06	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00
489	382588.81	3737683.82	1.87E-05	0.00E+00	0.00E+00	0.00E+00	2.88E-06	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00
490	382608.81	3737683.82	1.82E-05	0.00E+00	0.00E+00	0.00E+00	2.80E-06	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00
491	382628.81	3737683.82	1.77E-05	0.00E+00	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
492	382648.81	3737683.82	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.65E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
493	381628.81	3737704.12	1.57E-04	0.00E+00	0.00E+00	0.00E+00	2.42E-05	0.00E+00	0.00E+00	0.00E+00	1.61E-05	0.00E+00	0.00E+00	0.00E+00
494	381648.81	3737704.12	1.49E-04	0.00E+00	0.00E+00	0.00E+00	2.30E-05	0.00E+00	0.00E+00	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00
495	381668.81	3737704.12	1.41E-04	0.00E+00	0.00E+00	0.00E+00	2.17E-05	0.00E+00	0.00E+00	0.00E+00	1.44E-05	0.00E+00	0.00E+00	0.00E+00
496	381688.81	3737704.12	1.33E-04	0.00E+00	0.00E+00	0.00E+00	2.05E-05	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00
497	381708.81	3737704.12	1.26E-04	0.00E+00	0.00E+00	0.00E+00	1.94E-05	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00
498	381728.81	3737704.12	1.18E-04	0.00E+00	0.00E+00	0.00E+00	1.83E-05	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00
499	381748.81	3737704.12	1.12E-04	0.00E+00	0.00E+00	0.00E+00	1.72E-05	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00
500	381768.81	3737704.12	1.05E-04	0.00E+00	0.00E+00	0.00E+00	1.62E-05	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00
501	381788.81	3737704.12	9.95E-05	0.00E+00	0.00E+00	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00
502	381808.81	3737704.12	9.38E-05	0.00E+00	0.00E+00	0.00E+00	1.45E-05	0.00E+00	0.00E+00	0.00E+00	9.61E-06	0.00E+00	0.00E+00	0.00E+00
503	381828.81	3737704.12	8.86E-05	0.00E+00	0.00E+00	0.00E+00	1.37E-05	0.00E+00	0.00E+00	0.00E+00	9.07E-06	0.00E+00	0.00E+00	0.00E+00
504	381848.81	3737704.12	8.37E-05	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	8.57E-06	0.00E+00	0.00E+00	0.00E+00
505	381868.81	3737704.12	7.91E-05	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	8.10E-06	0.00E+00	0.00E+00	0.00E+00
506	381888.81	3737704.12	7.49E-05	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	7.67E-06	0.00E+00	0.00E+00	0.00E+00
507	381908.81	3737704.12	7.09E-05	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	7.26E-06	0.00E+00	0.00E+00	0.00E+00
508	381928.81	3737704.12	6.72E-05	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	6.88E-06	0.00E+00	0.00E+00	0.00E+00
509	381948.81	3737704.12	6.38E-05	0.00E+00	0.00E+00	0.00E+00	9.83E-06	0.00E+00	0.00E+00	0.00E+00	6.53E-06	0.00E+00	0.00E+00	0.00E+00
510	381968.81	3737704.12	6.06E-05	0.00E+00	0.00E+00	0.00E+00	9.33E-06	0.00E+00	0.00E+00	0.00E+00	6.20E-06	0.00E+00	0.00E+00	0.00E+00
511	381988.81	3737704.12	5.76E-05	0.00E+00	0.00E+00	0.00E+00	8.88E-06	0.00E+00	0.00E+00	0.00E+00	5.90E-06	0.00E+00	0.00E+00	0.00E+00
512	382008.81	3737704.12	5.48E-05	0.00E+00	0.00E+00	0.00E+00	8.45E-06	0.00E+00	0.00E+00	0.00E+00	5.62E-06	0.00E+00	0.00E+00	0.00E+00
513	382028.81	3737704.12	5.23E-05	0.00E+00	0.00E+00	0.00E+00	8.06E-06	0.00E+00	0.00E+00	0.00E+00	5.36E-06	0.00E+00	0.00E+00	0.00E+00
514	382048.81	3737704.12	4.99E-05	0.00E+00	0.00E+00	0.00E+00	7.70E-06	0.00E+00	0.00E+00	0.00E+00	5.11E-06	0.00E+00	0.00E+00	0.00E+00
515	382068.81	3737704.12	4.77E-05	0.00E+00	0.00E+00	0.00E+00	7.35E-06	0.00E+00	0.00E+00	0.00E+00	4.89E-06	0.00E+00	0.00E+00	0.00E+00
516	382088.81	3737704.12	4.56E-05	0.00E+00	0.00E+00	0.00E+00	7.03E-06	0.00E+00	0.00E+00	0.00E+00	4.67E-06	0.00E+00	0.00E+00	0.00E+00
517	382108.81	3737704.12	4.37E-05	0.00E+00	0.00E+00	0.00E+00	6.73E-06	0.00E+00	0.00E+00	0.00E+00	4.47E-06	0.00E+00	0.00E+00	0.00E+00
518	382128.81	3737704.12	4.18E-05	0.00E+00	0.00E+00	0.00E+00	6.44E-06	0.00E+00	0.00E+00	0.00E+00	4.28E-06	0.00E+00	0.00E+00	0.00E+00
519	382148.81	3737704.12	4.01E-05	0.00E+00	0.00E+00	0.00E+00	6.18E-06	0.00E+00	0.00E+00	0.00E+00	4.11E-06	0.00E+00	0.00E+00	0.00E+00
520	382168.81	3737704.12	3.85E-05	0.00E+00	0.00E+00	0.00E+00	5.93E-06	0.00E+00	0.00E+00	0.00E+00	3.94E-06	0.00E+00	0.00E+00	0.00E+00
521	382188.81	3737704.12	3.69E-05	0.00E+00	0.00E+00	0.00E+00	5.69E-06	0.00E+00	0.00E+00	0.00E+00	3.78E-06	0.00E+00	0.00E+00	0.00E+00
522	382208.81	3737704.12	3.55E-05	0.00E+00	0.00E+00	0.00E+00	5.47E-06	0.00E+00	0.00E+00	0.00E+00	3.64E-06	0.00E+00	0.00E+00	0.00E+00
523	382228.81	3737704.12	3.42E-05	0.00E+00	0.00E+00	0.00E+00	5.27E-06	0.00E+00	0.00E+00	0.00E+00	3.50E-06	0.00E+00	0.00E+00	0.00E+00
524	382248.81	3737704.12	3.29E-05	0.00E+00	0.00E+00	0.00E+00	5.07E-06	0.00E+00	0.00E+00	0.00E+00	3.37E-06	0.00E+00	0.00E+00	0.00E+00
525	382268.81	3737704.12	3.17E-05	0.00E+00	0.00E+00	0.00E+00	4.88E-06	0.00E+00	0.00E+00	0.00E+00	3.25E-06	0.00E+00	0.00E+00	0.00E+00
526	382288.81	3737704.12	3.05E-05	0.00E+00	0.00E+00	0.00E+00	4.71E-06	0.00E+00	0.00E+00	0.00E+00	3.13E-06	0.00E+00	0.00E+00	0.00E+00
527	382308.81	3737704.12	2.95E-05	0.00E+00	0.00E+00	0.00E+00	4.54E-06	0.00E+00	0.00E+00	0.00E+00	3.02E-06	0.00E+00	0.00E+00	0.00E+00
528	382328.81	3737704.12	2.84E-05	0.00E+00	0.00E+00	0.00E+00	4.38E-06	0.00E+00	0.00E+00	0.00E+00	2.91E-06	0.00E+00	0.00E+00	0.00E+00
529	382348.81	3737704.12	2.75E-05	0.00E+00	0.00E+00	0.00E+00	4.23E-06	0.00E+00	0.00E+00	0.00E+00	2.81E-06	0.00E+00	0.00E+00	0.00E+00
530	382368.81	3737704.12	2.65E-05	0.00E+00	0.00E+00	0.00E+00	4.09E-06	0.00E+00	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00
531	382388.81	3737704.12	2.56E-05	0.00E+00	0.00E+00	0.00E+00	3.95E-06	0.00E+00	0.00E+00	0.00E+00	2.63E-06	0.00E+00	0.00E+00	0.00E+00
532	382408.81	3737704.12	2.48E-05	0.00E+00	0.00E+00	0.00E+00	3.82E-06	0.00E+00	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00
533	382428.81	3737704.12	2.40E-05	0.00E+00	0.00E+00	0.00E+00	3.70E-06	0.00E+00	0.00E+00	0.00E+00	2.46E-06	0.00E+00	0.00E+00	0.00E+00
534	382448.81	3737704.12	2.33E-05	0.00E+00	0.00E+00	0.00E+00	3.58E-06	0.00E+00	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00
535	382468.81	3737704.12	2.25E-05	0.00E+00	0.00E+00	0.00E+00	3.47E-06	0.00E+00	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00
536	382488.81	3737704.12	2.18E-05	0.00E+00	0.00E+00	0.00E+00	3.36E-06	0.00E+00	0.00E+00	0.00E+00	2.24E-06	0.00E+00	0.00E+00	0.00E+00

537	382508.81	3737704.12	2.12E-05	0.00E+00	0.00E+00	0.00E+00	3.26E-06	0.00E+00	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00
538	382528.81	3737704.12	2.05E-05	0.00E+00	0.00E+00	0.00E+00	3.17E-06	0.00E+00	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00
539	382548.81	3737704.12	1.99E-05	0.00E+00	0.00E+00	0.00E+00	3.07E-06	0.00E+00	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00
540	382568.81	3737704.12	1.94E-05	0.00E+00	0.00E+00	0.00E+00	2.98E-06	0.00E+00	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00
541	382588.81	3737704.12	1.88E-05	0.00E+00	0.00E+00	0.00E+00	2.90E-06	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00
542	382608.81	3737704.12	1.83E-05	0.00E+00	0.00E+00	0.00E+00	2.81E-06	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00
543	382628.81	3737704.12	1.77E-05	0.00E+00	0.00E+00	0.00E+00	2.74E-06	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00
544	382648.81	3737704.12	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.66E-06	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00
545	381628.81	3737724.42	1.54E-04	0.00E+00	0.00E+00	0.00E+00	2.37E-05	0.00E+00	0.00E+00	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00
546	381648.81	3737724.42	1.46E-04	0.00E+00	0.00E+00	0.00E+00	2.26E-05	0.00E+00	0.00E+00	0.00E+00	1.50E-05	0.00E+00	0.00E+00	0.00E+00
547	381668.81	3737724.42	1.39E-04	0.00E+00	0.00E+00	0.00E+00	2.14E-05	0.00E+00	0.00E+00	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00
548	381688.81	3737724.42	1.31E-04	0.00E+00	0.00E+00	0.00E+00	2.02E-05	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00
549	381708.81	3737724.42	1.24E-04	0.00E+00	0.00E+00	0.00E+00	1.91E-05	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00
550	381728.81	3737724.42	1.17E-04	0.00E+00	0.00E+00	0.00E+00	1.81E-05	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00
551	381748.81	3737724.42	1.11E-04	0.00E+00	0.00E+00	0.00E+00	1.71E-05	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00
552	381768.81	3737724.42	1.05E-04	0.00E+00	0.00E+00	0.00E+00	1.61E-05	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00
553	381788.81	3737724.42	9.89E-05	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00
554	381808.81	3737724.42	9.34E-05	0.00E+00	0.00E+00	0.00E+00	1.44E-05	0.00E+00	0.00E+00	0.00E+00	9.56E-06	0.00E+00	0.00E+00	0.00E+00
555	381828.81	3737724.42	8.82E-05	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	9.04E-06	0.00E+00	0.00E+00	0.00E+00
556	381848.81	3737724.42	8.34E-05	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	8.54E-06	0.00E+00	0.00E+00	0.00E+00
557	381868.81	3737724.42	7.89E-05	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	8.08E-06	0.00E+00	0.00E+00	0.00E+00
558	381888.81	3737724.42	7.47E-05	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	7.66E-06	0.00E+00	0.00E+00	0.00E+00
559	381908.81	3737724.42	7.08E-05	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	7.26E-06	0.00E+00	0.00E+00	0.00E+00
560	381928.81	3737724.42	6.72E-05	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	6.88E-06	0.00E+00	0.00E+00	0.00E+00
561	381948.81	3737724.42	6.38E-05	0.00E+00	0.00E+00	0.00E+00	9.83E-06	0.00E+00	0.00E+00	0.00E+00	6.53E-06	0.00E+00	0.00E+00	0.00E+00
562	381968.81	3737724.42	6.06E-05	0.00E+00	0.00E+00	0.00E+00	9.34E-06	0.00E+00	0.00E+00	0.00E+00	6.21E-06	0.00E+00	0.00E+00	0.00E+00
563	381988.81	3737724.42	5.77E-05	0.00E+00	0.00E+00	0.00E+00	8.89E-06	0.00E+00	0.00E+00	0.00E+00	5.91E-06	0.00E+00	0.00E+00	0.00E+00
564	382008.81	3737724.42	5.49E-05	0.00E+00	0.00E+00	0.00E+00	8.47E-06	0.00E+00	0.00E+00	0.00E+00	5.63E-06	0.00E+00	0.00E+00	0.00E+00
565	382028.81	3737724.42	5.24E-05	0.00E+00	0.00E+00	0.00E+00	8.07E-06	0.00E+00	0.00E+00	0.00E+00	5.37E-06	0.00E+00	0.00E+00	0.00E+00
566	382048.81	3737724.42	5.00E-05	0.00E+00	0.00E+00	0.00E+00	7.71E-06	0.00E+00	0.00E+00	0.00E+00	5.12E-06	0.00E+00	0.00E+00	0.00E+00
567	382068.81	3737724.42	4.78E-05	0.00E+00	0.00E+00	0.00E+00	7.37E-06	0.00E+00	0.00E+00	0.00E+00	4.89E-06	0.00E+00	0.00E+00	0.00E+00
568	382088.81	3737724.42	4.57E-05	0.00E+00	0.00E+00	0.00E+00	7.04E-06	0.00E+00	0.00E+00	0.00E+00	4.68E-06	0.00E+00	0.00E+00	0.00E+00
569	382108.81	3737724.42	4.37E-05	0.00E+00	0.00E+00	0.00E+00	6.74E-06	0.00E+00	0.00E+00	0.00E+00	4.48E-06	0.00E+00	0.00E+00	0.00E+00
570	382128.81	3737724.42	4.19E-05	0.00E+00	0.00E+00	0.00E+00	6.46E-06	0.00E+00	0.00E+00	0.00E+00	4.29E-06	0.00E+00	0.00E+00	0.00E+00
571	382148.81	3737724.42	4.02E-05	0.00E+00	0.00E+00	0.00E+00	6.19E-06	0.00E+00	0.00E+00	0.00E+00	4.12E-06	0.00E+00	0.00E+00	0.00E+00
572	382168.81	3737724.42	3.86E-05	0.00E+00	0.00E+00	0.00E+00	5.94E-06	0.00E+00	0.00E+00	0.00E+00	3.95E-06	0.00E+00	0.00E+00	0.00E+00
573	382188.81	3737724.42	3.70E-05	0.00E+00	0.00E+00	0.00E+00	5.71E-06	0.00E+00	0.00E+00	0.00E+00	3.79E-06	0.00E+00	0.00E+00	0.00E+00
574	382208.81	3737724.42	3.56E-05	0.00E+00	0.00E+00	0.00E+00	5.49E-06	0.00E+00	0.00E+00	0.00E+00	3.65E-06	0.00E+00	0.00E+00	0.00E+00
575	382228.81	3737724.42	3.43E-05	0.00E+00	0.00E+00	0.00E+00	5.28E-06	0.00E+00	0.00E+00	0.00E+00	3.51E-06	0.00E+00	0.00E+00	0.00E+00
576	382248.81	3737724.42	3.30E-05	0.00E+00	0.00E+00	0.00E+00	5.09E-06	0.00E+00	0.00E+00	0.00E+00	3.38E-06	0.00E+00	0.00E+00	0.00E+00
577	382268.81	3737724.42	3.18E-05	0.00E+00	0.00E+00	0.00E+00	4.90E-06	0.00E+00	0.00E+00	0.00E+00	3.26E-06	0.00E+00	0.00E+00	0.00E+00
578	382288.81	3737724.42	3.06E-05	0.00E+00	0.00E+00	0.00E+00	4.72E-06	0.00E+00	0.00E+00	0.00E+00	3.14E-06	0.00E+00	0.00E+00	0.00E+00
579	382308.81	3737724.42	2.96E-05	0.00E+00	0.00E+00	0.00E+00	4.56E-06	0.00E+00	0.00E+00	0.00E+00	3.03E-06	0.00E+00	0.00E+00	0.00E+00
580	382328.81	3737724.42	2.86E-05	0.00E+00	0.00E+00	0.00E+00	4.40E-06	0.00E+00	0.00E+00	0.00E+00	2.92E-06	0.00E+00	0.00E+00	0.00E+00
581	382348.81	3737724.42	2.76E-05	0.00E+00	0.00E+00	0.00E+00	4.25E-06	0.00E+00	0.00E+00	0.00E+00	2.82E-06	0.00E+00	0.00E+00	0.00E+00
582	382368.81	3737724.42	2.67E-05	0.00E+00	0.00E+00	0.00E+00	4.11E-06	0.00E+00	0.00E+00	0.00E+00	2.73E-06	0.00E+00	0.00E+00	0.00E+00
583	382388.81	3737724.42	2.58E-05	0.00E+00	0.00E+00	0.00E+00	3.97E-06	0.00E+00	0.00E+00	0.00E+00	2.64E-06	0.00E+00	0.00E+00	0.00E+00
584	382408.81	3737724.42	2.49E-05	0.00E+00	0.00E+00	0.00E+00	3.84E-06	0.00E+00	0.00E+00	0.00E+00	2.55E-06	0.00E+00	0.00E+00	0.00E+00
585	382428.81	3737724.42	2.41E-05	0.00E+00	0.00E+00	0.00E+00	3.72E-06	0.00E+00	0.00E+00	0.00E+00	2.47E-06	0.00E+00	0.00E+00	0.00E+00
586	382448.81	3737724.42	2.34E-05	0.00E+00	0.00E+00	0.00E+00	3.60E-06	0.00E+00	0.00E+00	0.00E+00	2.39E-06	0.00E+00	0.00E+00	0.00E+00
587	382468.81	3737724.42	2.26E-05	0.00E+00	0.00E+00	0.00E+00	3.49E-06	0.00E+00	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00
588	382488.81	3737724.42	2.19E-05	0.00E+00	0.00E+00	0.00E+00	3.38E-06	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00
589	382508.81	3737724.42	2.13E-05	0.00E+00	0.00E+00	0.00E+00	3.28E-06	0.00E+00	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00
590	382528.81	3737724.42	2.06E-05	0.00E+00	0.00E+00	0.00E+00	3.18E-06	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00
591	382548.81	3737724.42	2.00E-05	0.00E+00	0.00E+00	0.00E+00	3.09E-06	0.00E+00	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00
592	382568.81	3737724.42	1.95E-05	0.00E+00	0.00E+00	0.00E+00	3.00E-06	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00
593	382588.81	3737724.42	1.89E-05	0.00E+00	0.00E+00	0.00E+00	2.91E-06	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00
594	382608.81	3737724.42	1.84E-05	0.00E+00	0.00E+00	0.00E+00	2.83E-06	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00
595	382628.81	3737724.42	1.79E-05	0.00E+00	0.00E+00	0.00E+00	2.75E-06	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00
596	382648.81	3737724.42	1.74E-05	0.00E+00	0.00E+00	0.00E+00	2.68E-06	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00
597	382668.81	3737724.42	1.69E-05	0.00E+00	0.00E+00	0.00E+00	2.60E-06	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00
598	382688.81	3737724.42	1.64E-05	0.00E+00	0.00E+00	0.00E+00	2.53E-06	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00
599	382708.81	3737724.42	1.60E-05	0.00E+00	0.00E+00	0.00E+00	2.47E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
600	382728.81	3737724.42	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.40E-06	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00
601	382748.81	3737724.42	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.34E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
602	382808.81	3737724.42	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
603	382828.81	3737724.42	1.37E-05	0.00E+00	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00
604	382848.81	3737724.42	1.34E-05	0.00E+00	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00
605	381628.81	3737744.72	1.50E-04	0.00E+00	0.00E+00	0.00E+00	2.31E-05	0.00E+00	0.00E+00	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00
606	381648.81	3737744.72	1.43E-04	0.00E+00	0.00E+00	0.00E+00	2.20E-05	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00
607	381668.81	3737744.72	1.36E-04	0.00E+00	0.00E+00	0.00E+00	2.10E-05	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00
608	381688.81	3737744.72	1.30E-04	0.00E+00	0.00E+00	0.00E+00	2.00E-05	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00
609	381708.81	3737744.72	1.23E-04	0.00E+00	0.00E+00	0.00E+00	1.89E-05	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00
610	381728.81	3737744.72	1.16E-04	0.00E+00	0.00E+00	0.00E+00	1.79E-05	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00
611	381748.81	3737744.72	1.10E-04	0.00E+00	0.00E+00	0.00E+00	1.69E-05	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00
612	381768.81	3737744.72	1.04E-04	0.00E+00	0.00E+00	0.00E+00	1.60E-05	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00
613	381788.81	3737744.72	9.82E-05	0.00E+00	0.00E+00	0.00E+00	1.51E-05	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00
614	381808.81	3737744.72	9.29E-05	0.00E+00	0.00E+00	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	9.51E-06	0.00E+00	0.00E+00	0.00E+00
615	381828.81	3737744.72	8.78E-05	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	9.00E-06	0.00E+00	0.00E+00	0.00E+00
616	381848.81	3737744.72	8.31E-05	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	8.51E-06	0.00E+00	0.00E+00	0.00E+00
617	381868.81	3737744.72	7.87E-05	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	8.06E-06	0.00E+00	0.00E+00	0.00E+00
618	381888.81	3737744.72	7.46E-05	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	7.64E-06	0.00E+00	0.00E+00	0.00E+00
619	381908.81	3737744.72	7.07E-05	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	7.24E-06	0.00E+00	0.00E+00	0.00E+00
620	381928.81	3737744.72	6.71E-05	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	6.88E-06	0.00E+00	0.00E+00	0.00E+00
621	381948.81	3737744.72	6.38E-05	0.00E+00	0.00E+00	0.00E+00	9.83E-06	0.00E+00	0.00E+00	0.00E+00	6.53E-06	0.00E+00	0.00E+00	0.00E+00
622	381968.81	3737744.72	6.06E-05	0.00E+00	0.00E+00	0.00E+00	9.34E-06	0.00E+00	0.00E+00	0.00E+00	6.21E-06	0.00E+00	0.00E+00	0.00E+00
623	381988.81	3737744.72	5.77E-05	0.00E+00	0.00E+00	0.00E+00	8.89E-06	0.00E+00	0.00E+00	0.00E+00	5.91E-06	0.00E+00	0.00E+00	0.00E+00
624	382008.81	3737744.72	5.50E-05	0.00E+00	0.00E+00	0.00E+00	8.47E-06	0.00E+00	0.00E+00	0.00E+00	5.63E-06	0.00E+00	0.00E+00	0.00E+00
625	382028.81	3737744.72	5.25E-05	0.00E+00	0.00E+00	0.00E+00	8.09E-06	0.00E+00	0.00E+00	0.00E+00	5.37E-06	0.00E+00	0.00E+00	0.00E+00
626	382048.81	3737744.72	5.01E-05	0.00E+00	0.00E+00	0.00E+00	7.72E-06	0.00E+00	0.00E+00	0.00E+00	5.13E-06	0.00E+00	0.00E+00	0.00E+00

627	382068.81	3737744.72	4.79E-05	0.00E+00	0.00E+00	0.00E+00	7.38E-06	0.00E+00	0.00E+00	0.00E+00	4.90E-06	0.00E+00	0.00E+00	0.00E+00
628	382088.81	3737744.72	4.58E-05	0.00E+00	0.00E+00	0.00E+00	7.06E-06	0.00E+00	0.00E+00	0.00E+00	4.69E-06	0.00E+00	0.00E+00	0.00E+00
629	382108.81	3737744.72	4.38E-05	0.00E+00	0.00E+00	0.00E+00	6.76E-06	0.00E+00	0.00E+00	0.00E+00	4.49E-06	0.00E+00	0.00E+00	0.00E+00
630	382128.81	3737744.72	4.20E-05	0.00E+00	0.00E+00	0.00E+00	6.48E-06	0.00E+00	0.00E+00	0.00E+00	4.30E-06	0.00E+00	0.00E+00	0.00E+00
631	382148.81	3737744.72	4.03E-05	0.00E+00	0.00E+00	0.00E+00	6.21E-06	0.00E+00	0.00E+00	0.00E+00	4.13E-06	0.00E+00	0.00E+00	0.00E+00
632	382168.81	3737744.72	3.87E-05	0.00E+00	0.00E+00	0.00E+00	5.96E-06	0.00E+00	0.00E+00	0.00E+00	3.96E-06	0.00E+00	0.00E+00	0.00E+00
633	382188.81	3737744.72	3.72E-05	0.00E+00	0.00E+00	0.00E+00	5.73E-06	0.00E+00	0.00E+00	0.00E+00	3.81E-06	0.00E+00	0.00E+00	0.00E+00
634	382208.81	3737744.72	3.57E-05	0.00E+00	0.00E+00	0.00E+00	5.51E-06	0.00E+00	0.00E+00	0.00E+00	3.66E-06	0.00E+00	0.00E+00	0.00E+00
635	382228.81	3737744.72	3.44E-05	0.00E+00	0.00E+00	0.00E+00	5.30E-06	0.00E+00	0.00E+00	0.00E+00	3.52E-06	0.00E+00	0.00E+00	0.00E+00
636	382248.81	3737744.72	3.31E-05	0.00E+00	0.00E+00	0.00E+00	5.10E-06	0.00E+00	0.00E+00	0.00E+00	3.39E-06	0.00E+00	0.00E+00	0.00E+00
637	382268.81	3737744.72	3.19E-05	0.00E+00	0.00E+00	0.00E+00	4.91E-06	0.00E+00	0.00E+00	0.00E+00	3.27E-06	0.00E+00	0.00E+00	0.00E+00
638	382288.81	3737744.72	3.08E-05	0.00E+00	0.00E+00	0.00E+00	4.74E-06	0.00E+00	0.00E+00	0.00E+00	3.15E-06	0.00E+00	0.00E+00	0.00E+00
639	382308.81	3737744.72	2.97E-05	0.00E+00	0.00E+00	0.00E+00	4.57E-06	0.00E+00	0.00E+00	0.00E+00	3.04E-06	0.00E+00	0.00E+00	0.00E+00
640	382328.81	3737744.72	2.87E-05	0.00E+00	0.00E+00	0.00E+00	4.42E-06	0.00E+00	0.00E+00	0.00E+00	2.94E-06	0.00E+00	0.00E+00	0.00E+00
641	382348.81	3737744.72	2.77E-05	0.00E+00	0.00E+00	0.00E+00	4.27E-06	0.00E+00	0.00E+00	0.00E+00	2.84E-06	0.00E+00	0.00E+00	0.00E+00
642	382368.81	3737744.72	2.68E-05	0.00E+00	0.00E+00	0.00E+00	4.12E-06	0.00E+00	0.00E+00	0.00E+00	2.74E-06	0.00E+00	0.00E+00	0.00E+00
643	382388.81	3737744.72	2.59E-05	0.00E+00	0.00E+00	0.00E+00	3.99E-06	0.00E+00	0.00E+00	0.00E+00	2.65E-06	0.00E+00	0.00E+00	0.00E+00
644	382408.81	3737744.72	2.50E-05	0.00E+00	0.00E+00	0.00E+00	3.86E-06	0.00E+00	0.00E+00	0.00E+00	2.56E-06	0.00E+00	0.00E+00	0.00E+00
645	382428.81	3737744.72	2.42E-05	0.00E+00	0.00E+00	0.00E+00	3.74E-06	0.00E+00	0.00E+00	0.00E+00	2.48E-06	0.00E+00	0.00E+00	0.00E+00
646	382448.81	3737744.72	2.35E-05	0.00E+00	0.00E+00	0.00E+00	3.62E-06	0.00E+00	0.00E+00	0.00E+00	2.40E-06	0.00E+00	0.00E+00	0.00E+00
647	382468.81	3737744.72	2.27E-05	0.00E+00	0.00E+00	0.00E+00	3.50E-06	0.00E+00	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00
648	382488.81	3737744.72	2.20E-05	0.00E+00	0.00E+00	0.00E+00	3.40E-06	0.00E+00	0.00E+00	0.00E+00	2.26E-06	0.00E+00	0.00E+00	0.00E+00
649	382508.81	3737744.72	2.14E-05	0.00E+00	0.00E+00	0.00E+00	3.29E-06	0.00E+00	0.00E+00	0.00E+00	2.19E-06	0.00E+00	0.00E+00	0.00E+00
650	382528.81	3737744.72	2.07E-05	0.00E+00	0.00E+00	0.00E+00	3.20E-06	0.00E+00	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00
651	382548.81	3737744.72	2.01E-05	0.00E+00	0.00E+00	0.00E+00	3.10E-06	0.00E+00	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00
652	382568.81	3737744.72	1.95E-05	0.00E+00	0.00E+00	0.00E+00	3.01E-06	0.00E+00	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00
653	382588.81	3737744.72	1.90E-05	0.00E+00	0.00E+00	0.00E+00	2.93E-06	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00
654	382608.81	3737744.72	1.85E-05	0.00E+00	0.00E+00	0.00E+00	2.85E-06	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00
655	382628.81	3737744.72	1.79E-05	0.00E+00	0.00E+00	0.00E+00	2.76E-06	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00
656	382648.81	3737744.72	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
657	382668.81	3737744.72	1.70E-05	0.00E+00	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
658	382688.81	3737744.72	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.55E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
659	382708.81	3737744.72	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.48E-06	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00
660	382728.81	3737744.72	1.57E-05	0.00E+00	0.00E+00	0.00E+00	2.42E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
661	382748.81	3737744.72	1.53E-05	0.00E+00	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
662	382768.81	3737744.72	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
663	382788.81	3737744.72	1.45E-05	0.00E+00	0.00E+00	0.00E+00	2.24E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
664	382808.81	3737744.72	1.42E-05	0.00E+00	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00
665	382828.81	3737744.72	1.38E-05	0.00E+00	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00
666	382848.81	3737744.72	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00
667	381628.81	3737765.02	1.46E-04	0.00E+00	0.00E+00	0.00E+00	2.25E-05	0.00E+00	0.00E+00	0.00E+00	1.50E-05	0.00E+00	0.00E+00	0.00E+00
668	381648.81	3737765.02	1.40E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	0.00E+00	0.00E+00	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00
669	381668.81	3737765.02	1.34E-04	0.00E+00	0.00E+00	0.00E+00	2.06E-05	0.00E+00	0.00E+00	0.00E+00	1.37E-05	0.00E+00	0.00E+00	0.00E+00
670	381688.81	3737765.02	1.28E-04	0.00E+00	0.00E+00	0.00E+00	1.97E-05	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00
671	381708.81	3737765.02	1.21E-04	0.00E+00	0.00E+00	0.00E+00	1.87E-05	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00
672	381728.81	3737765.02	1.15E-04	0.00E+00	0.00E+00	0.00E+00	1.77E-05	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00
673	381748.81	3737765.02	1.09E-04	0.00E+00	0.00E+00	0.00E+00	1.68E-05	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00
674	381768.81	3737765.02	1.03E-04	0.00E+00	0.00E+00	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00
675	381788.81	3737765.02	9.76E-05	0.00E+00	0.00E+00	0.00E+00	1.50E-05	0.00E+00	0.00E+00	0.00E+00	9.99E-06	0.00E+00	0.00E+00	0.00E+00
676	381808.81	3737765.02	9.23E-05	0.00E+00	0.00E+00	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00	9.46E-06	0.00E+00	0.00E+00	0.00E+00
677	381828.81	3737765.02	8.74E-05	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	8.95E-06	0.00E+00	0.00E+00	0.00E+00
678	381848.81	3737765.02	8.28E-05	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	8.48E-06	0.00E+00	0.00E+00	0.00E+00
679	381868.81	3737765.02	7.85E-05	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	8.04E-06	0.00E+00	0.00E+00	0.00E+00
680	381888.81	3737765.02	7.44E-05	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	7.62E-06	0.00E+00	0.00E+00	0.00E+00
681	381908.81	3737765.02	7.06E-05	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	7.23E-06	0.00E+00	0.00E+00	0.00E+00
682	381928.81	3737765.02	6.71E-05	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	6.87E-06	0.00E+00	0.00E+00	0.00E+00
683	381948.81	3737765.02	6.37E-05	0.00E+00	0.00E+00	0.00E+00	9.82E-06	0.00E+00	0.00E+00	0.00E+00	6.53E-06	0.00E+00	0.00E+00	0.00E+00
684	381968.81	3737765.02	6.06E-05	0.00E+00	0.00E+00	0.00E+00	9.34E-06	0.00E+00	0.00E+00	0.00E+00	6.21E-06	0.00E+00	0.00E+00	0.00E+00
685	381988.81	3737765.02	5.77E-05	0.00E+00	0.00E+00	0.00E+00	8.90E-06	0.00E+00	0.00E+00	0.00E+00	5.91E-06	0.00E+00	0.00E+00	0.00E+00
686	382008.81	3737765.02	5.50E-05	0.00E+00	0.00E+00	0.00E+00	8.48E-06	0.00E+00	0.00E+00	0.00E+00	5.64E-06	0.00E+00	0.00E+00	0.00E+00
687	382028.81	3737765.02	5.25E-05	0.00E+00	0.00E+00	0.00E+00	8.09E-06	0.00E+00	0.00E+00	0.00E+00	5.38E-06	0.00E+00	0.00E+00	0.00E+00
688	382048.81	3737765.02	5.01E-05	0.00E+00	0.00E+00	0.00E+00	7.73E-06	0.00E+00	0.00E+00	0.00E+00	5.13E-06	0.00E+00	0.00E+00	0.00E+00
689	382068.81	3737765.02	4.79E-05	0.00E+00	0.00E+00	0.00E+00	7.39E-06	0.00E+00	0.00E+00	0.00E+00	4.91E-06	0.00E+00	0.00E+00	0.00E+00
690	382088.81	3737765.02	4.59E-05	0.00E+00	0.00E+00	0.00E+00	7.07E-06	0.00E+00	0.00E+00	0.00E+00	4.70E-06	0.00E+00	0.00E+00	0.00E+00
691	382108.81	3737765.02	4.39E-05	0.00E+00	0.00E+00	0.00E+00	6.77E-06	0.00E+00	0.00E+00	0.00E+00	4.50E-06	0.00E+00	0.00E+00	0.00E+00
692	382128.81	3737765.02	4.21E-05	0.00E+00	0.00E+00	0.00E+00	6.49E-06	0.00E+00	0.00E+00	0.00E+00	4.31E-06	0.00E+00	0.00E+00	0.00E+00
693	382148.81	3737765.02	4.04E-05	0.00E+00	0.00E+00	0.00E+00	6.22E-06	0.00E+00	0.00E+00	0.00E+00	4.14E-06	0.00E+00	0.00E+00	0.00E+00
694	382168.81	3737765.02	3.88E-05	0.00E+00	0.00E+00	0.00E+00	5.98E-06	0.00E+00	0.00E+00	0.00E+00	3.97E-06	0.00E+00	0.00E+00	0.00E+00
695	382188.81	3737765.02	3.73E-05	0.00E+00	0.00E+00	0.00E+00	5.74E-06	0.00E+00	0.00E+00	0.00E+00	3.82E-06	0.00E+00	0.00E+00	0.00E+00
696	382208.81	3737765.02	3.58E-05	0.00E+00	0.00E+00	0.00E+00	5.52E-06	0.00E+00	0.00E+00	0.00E+00	3.67E-06	0.00E+00	0.00E+00	0.00E+00
697	382228.81	3737765.02	3.45E-05	0.00E+00	0.00E+00	0.00E+00	5.31E-06	0.00E+00	0.00E+00	0.00E+00	3.53E-06	0.00E+00	0.00E+00	0.00E+00
698	382248.81	3737765.02	3.31E-05	0.00E+00	0.00E+00	0.00E+00	5.10E-06	0.00E+00	0.00E+00	0.00E+00	3.39E-06	0.00E+00	0.00E+00	0.00E+00
699	382268.81	3737765.02	3.18E-05	0.00E+00	0.00E+00	0.00E+00	4.90E-06	0.00E+00	0.00E+00	0.00E+00	3.26E-06	0.00E+00	0.00E+00	0.00E+00
700	382288.81	3737765.02	3.08E-05	0.00E+00	0.00E+00	0.00E+00	4.74E-06	0.00E+00	0.00E+00	0.00E+00	3.15E-06	0.00E+00	0.00E+00	0.00E+00
701	382308.81	3737765.02	2.98E-05	0.00E+00	0.00E+00	0.00E+00	4.59E-06	0.00E+00	0.00E+00	0.00E+00	3.05E-06	0.00E+00	0.00E+00	0.00E+00
702	382328.81	3737765.02	2.87E-05	0.00E+00	0.00E+00	0.00E+00	4.43E-06	0.00E+00	0.00E+00	0.00E+00	2.94E-06	0.00E+00	0.00E+00	0.00E+00
703	382348.81	3737765.02	2.78E-05	0.00E+00	0.00E+00	0.00E+00	4.28E-06	0.00E+00	0.00E+00	0.00E+00	2.85E-06	0.00E+00	0.00E+00	0.00E+00
704	382368.81	3737765.02	2.69E-05	0.00E+00	0.00E+00	0.00E+00	4.14E-06	0.00E+00	0.00E+00	0.00E+00	2.75E-06	0.00E+00	0.00E+00	0.00E+00
705	382388.81	3737765.02	2.60E-05	0.00E+00	0.00E+00	0.00E+00	4.00E-06	0.00E+00	0.00E+00	0.00E+00	2.66E-06	0.00E+00	0.00E+00	0.00E+00
706	382408.81	3737765.02	2.51E-05	0.00E+00	0.00E+00	0.00E+00	3.87E-06	0.00E+00	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00
707	382428.81	3737765.02	2.43E-05	0.00E+00	0.00E+00	0.00E+00	3.75E-06	0.00E+00	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00
708	382448.81	3737765.02	2.36E-05	0.00E+00	0.00E+00	0.00E+00	3.63E-06	0.00E+00	0.00E+00	0.00E+00	2.41E-06	0.00E+00	0.00E+00	0.00E+00
709	382468.81	3737765.02	2.28E-05	0.00E+00	0.00E+00	0.00E+00	3.52E-06	0.00E+00	0.00E+00	0.00E+00	2.34E-06	0.00E+00	0.00E+00	0.00E+00
710	382488.81	3737765.02	2.21E-05	0.00E+00	0.00E+00	0.00E+00	3.41E-06	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00
711	382508.81	3737765.02	2.15E-05	0.00E+00	0.00E+00	0.00E+00	3.31E-06	0.00E+00	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00
712	382528.81	3737765.02	2.08E-05	0.00E+00	0.00E+00	0.00E+00	3.21E-06	0.00E+00	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00
713	382548.81	3737765.02	2.02E-05	0.00E+00	0.00E+00	0.00E+00	3.12E-06	0.00E+00	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00
714	382568.81	3737765.02	1.96E-05	0.00E+00	0.00E+00	0.00E+00	3.03E-06	0.00E+00	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00
715	382588.81	3737765.02	1.91E-05	0.00E+00	0.00E+00	0.00E+00	2.94E-06	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00
716	382608.81	3737765.02	1.86E-05	0.00E+00	0.00E+00	0.00E+00	2.86E-06	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00

717	382628.81	3737765.02	1.80E-05	0.00E+00	0.00E+00	0.00E+00	2.78E-06	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00
718	382648.81	3737765.02	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.70E-06	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00
719	382668.81	3737765.02	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.63E-06	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00
720	382688.81	3737765.02	1.66E-05	0.00E+00	0.00E+00	0.00E+00	2.56E-06	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00
721	382708.81	3737765.02	1.62E-05	0.00E+00	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00
722	382728.81	3737765.02	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
723	382748.81	3737765.02	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.37E-06	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00
724	382768.81	3737765.02	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
725	382788.81	3737765.02	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
726	382808.81	3737765.02	1.42E-05	0.00E+00	0.00E+00	0.00E+00	2.19E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00
727	382828.81	3737765.02	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00
728	382848.81	3737765.02	1.36E-05	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00
729	381628.81	3737785.32	1.45E-04	0.00E+00	0.00E+00	0.00E+00	2.23E-05	0.00E+00	0.00E+00	0.00E+00	1.48E-05	0.00E+00	0.00E+00	0.00E+00
730	381648.81	3737785.32	1.38E-04	0.00E+00	0.00E+00	0.00E+00	2.13E-05	0.00E+00	0.00E+00	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00
731	381668.81	3737785.32	1.32E-04	0.00E+00	0.00E+00	0.00E+00	2.03E-05	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00
732	381688.81	3737785.32	1.26E-04	0.00E+00	0.00E+00	0.00E+00	1.94E-05	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00
733	381708.81	3737785.32	1.20E-04	0.00E+00	0.00E+00	0.00E+00	1.85E-05	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00
734	381728.81	3737785.32	1.14E-04	0.00E+00	0.00E+00	0.00E+00	1.75E-05	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00
735	381748.81	3737785.32	1.08E-04	0.00E+00	0.00E+00	0.00E+00	1.66E-05	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00
736	381768.81	3737785.32	1.02E-04	0.00E+00	0.00E+00	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00
737	381788.81	3737785.32	9.69E-05	0.00E+00	0.00E+00	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	9.93E-06	0.00E+00	0.00E+00	0.00E+00
738	381808.81	3737785.32	9.18E-05	0.00E+00	0.00E+00	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00	9.41E-06	0.00E+00	0.00E+00	0.00E+00
739	381828.81	3737785.32	8.70E-05	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	8.91E-06	0.00E+00	0.00E+00	0.00E+00
740	381848.81	3737785.32	8.25E-05	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	8.45E-06	0.00E+00	0.00E+00	0.00E+00
741	381868.81	3737785.32	7.82E-05	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	8.01E-06	0.00E+00	0.00E+00	0.00E+00
742	381888.81	3737785.32	7.43E-05	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	7.61E-06	0.00E+00	0.00E+00	0.00E+00
743	381908.81	3737785.32	7.05E-05	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	7.22E-06	0.00E+00	0.00E+00	0.00E+00
744	381928.81	3737785.32	6.70E-05	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	6.86E-06	0.00E+00	0.00E+00	0.00E+00
745	381948.81	3737785.32	6.37E-05	0.00E+00	0.00E+00	0.00E+00	9.82E-06	0.00E+00	0.00E+00	0.00E+00	6.52E-06	0.00E+00	0.00E+00	0.00E+00
746	381968.81	3737785.32	6.06E-05	0.00E+00	0.00E+00	0.00E+00	9.34E-06	0.00E+00	0.00E+00	0.00E+00	6.21E-06	0.00E+00	0.00E+00	0.00E+00
747	381988.81	3737785.32	5.77E-05	0.00E+00	0.00E+00	0.00E+00	8.90E-06	0.00E+00	0.00E+00	0.00E+00	5.91E-06	0.00E+00	0.00E+00	0.00E+00
748	382008.81	3737785.32	5.50E-05	0.00E+00	0.00E+00	0.00E+00	8.48E-06	0.00E+00	0.00E+00	0.00E+00	5.64E-06	0.00E+00	0.00E+00	0.00E+00
749	382028.81	3737785.32	5.24E-05	0.00E+00	0.00E+00	0.00E+00	8.08E-06	0.00E+00	0.00E+00	0.00E+00	5.37E-06	0.00E+00	0.00E+00	0.00E+00
750	382048.81	3737785.32	5.01E-05	0.00E+00	0.00E+00	0.00E+00	7.71E-06	0.00E+00	0.00E+00	0.00E+00	5.13E-06	0.00E+00	0.00E+00	0.00E+00
751	382068.81	3737785.32	4.80E-05	0.00E+00	0.00E+00	0.00E+00	7.39E-06	0.00E+00	0.00E+00	0.00E+00	4.91E-06	0.00E+00	0.00E+00	0.00E+00
752	382088.81	3737785.32	4.59E-05	0.00E+00	0.00E+00	0.00E+00	7.08E-06	0.00E+00	0.00E+00	0.00E+00	4.70E-06	0.00E+00	0.00E+00	0.00E+00
753	382108.81	3737785.32	4.40E-05	0.00E+00	0.00E+00	0.00E+00	6.78E-06	0.00E+00	0.00E+00	0.00E+00	4.51E-06	0.00E+00	0.00E+00	0.00E+00
754	382128.81	3737785.32	4.22E-05	0.00E+00	0.00E+00	0.00E+00	6.50E-06	0.00E+00	0.00E+00	0.00E+00	4.32E-06	0.00E+00	0.00E+00	0.00E+00
755	382148.81	3737785.32	4.05E-05	0.00E+00	0.00E+00	0.00E+00	6.24E-06	0.00E+00	0.00E+00	0.00E+00	4.14E-06	0.00E+00	0.00E+00	0.00E+00
756	382168.81	3737785.32	3.89E-05	0.00E+00	0.00E+00	0.00E+00	5.99E-06	0.00E+00	0.00E+00	0.00E+00	3.98E-06	0.00E+00	0.00E+00	0.00E+00
757	382188.81	3737785.32	3.73E-05	0.00E+00	0.00E+00	0.00E+00	5.76E-06	0.00E+00	0.00E+00	0.00E+00	3.82E-06	0.00E+00	0.00E+00	0.00E+00
758	382208.81	3737785.32	3.59E-05	0.00E+00	0.00E+00	0.00E+00	5.54E-06	0.00E+00	0.00E+00	0.00E+00	3.68E-06	0.00E+00	0.00E+00	0.00E+00
759	382228.81	3737785.32	3.45E-05	0.00E+00	0.00E+00	0.00E+00	5.31E-06	0.00E+00	0.00E+00	0.00E+00	3.53E-06	0.00E+00	0.00E+00	0.00E+00
760	382248.81	3737785.32	3.31E-05	0.00E+00	0.00E+00	0.00E+00	5.10E-06	0.00E+00	0.00E+00	0.00E+00	3.39E-06	0.00E+00	0.00E+00	0.00E+00
761	382268.81	3737785.32	3.19E-05	0.00E+00	0.00E+00	0.00E+00	4.91E-06	0.00E+00	0.00E+00	0.00E+00	3.26E-06	0.00E+00	0.00E+00	0.00E+00
762	382288.81	3737785.32	3.08E-05	0.00E+00	0.00E+00	0.00E+00	4.75E-06	0.00E+00	0.00E+00	0.00E+00	3.16E-06	0.00E+00	0.00E+00	0.00E+00
763	382308.81	3737785.32	2.99E-05	0.00E+00	0.00E+00	0.00E+00	4.60E-06	0.00E+00	0.00E+00	0.00E+00	3.06E-06	0.00E+00	0.00E+00	0.00E+00
764	382328.81	3737785.32	2.89E-05	0.00E+00	0.00E+00	0.00E+00	4.45E-06	0.00E+00	0.00E+00	0.00E+00	2.96E-06	0.00E+00	0.00E+00	0.00E+00
765	382348.81	3737785.32	2.79E-05	0.00E+00	0.00E+00	0.00E+00	4.30E-06	0.00E+00	0.00E+00	0.00E+00	2.86E-06	0.00E+00	0.00E+00	0.00E+00
766	382368.81	3737785.32	2.70E-05	0.00E+00	0.00E+00	0.00E+00	4.15E-06	0.00E+00	0.00E+00	0.00E+00	2.76E-06	0.00E+00	0.00E+00	0.00E+00
767	382388.81	3737785.32	2.61E-05	0.00E+00	0.00E+00	0.00E+00	4.02E-06	0.00E+00	0.00E+00	0.00E+00	2.67E-06	0.00E+00	0.00E+00	0.00E+00
768	382408.81	3737785.32	2.52E-05	0.00E+00	0.00E+00	0.00E+00	3.89E-06	0.00E+00	0.00E+00	0.00E+00	2.58E-06	0.00E+00	0.00E+00	0.00E+00
769	382428.81	3737785.32	2.44E-05	0.00E+00	0.00E+00	0.00E+00	3.76E-06	0.00E+00	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00
770	382448.81	3737785.32	2.37E-05	0.00E+00	0.00E+00	0.00E+00	3.65E-06	0.00E+00	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00
771	382468.81	3737785.32	2.29E-05	0.00E+00	0.00E+00	0.00E+00	3.52E-06	0.00E+00	0.00E+00	0.00E+00	2.34E-06	0.00E+00	0.00E+00	0.00E+00
772	382488.81	3737785.32	2.22E-05	0.00E+00	0.00E+00	0.00E+00	3.42E-06	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00
773	382508.81	3737785.32	2.15E-05	0.00E+00	0.00E+00	0.00E+00	3.31E-06	0.00E+00	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00
774	382528.81	3737785.32	2.09E-05	0.00E+00	0.00E+00	0.00E+00	3.22E-06	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00
775	382548.81	3737785.32	2.03E-05	0.00E+00	0.00E+00	0.00E+00	3.13E-06	0.00E+00	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00
776	382568.81	3737785.32	1.98E-05	0.00E+00	0.00E+00	0.00E+00	3.04E-06	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00
777	382588.81	3737785.32	1.92E-05	0.00E+00	0.00E+00	0.00E+00	2.96E-06	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00
778	382608.81	3737785.32	1.86E-05	0.00E+00	0.00E+00	0.00E+00	2.87E-06	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00
779	382628.81	3737785.32	1.81E-05	0.00E+00	0.00E+00	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00
780	382648.81	3737785.32	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
781	382668.81	3737785.32	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.64E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
782	382688.81	3737785.32	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
783	382708.81	3737785.32	1.63E-05	0.00E+00	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
784	382728.81	3737785.32	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00
785	382748.81	3737785.32	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00
786	382768.81	3737785.32	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
787	381628.81	3737805.62	1.43E-04	0.00E+00	0.00E+00	0.00E+00	2.21E-05	0.00E+00	0.00E+00	0.00E+00	1.47E-05	0.00E+00	0.00E+00	0.00E+00
788	381648.81	3737805.62	1.36E-04	0.00E+00	0.00E+00	0.00E+00	2.10E-05	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00
789	381668.81	3737805.62	1.30E-04	0.00E+00	0.00E+00	0.00E+00	2.00E-05	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00
790	381688.81	3737805.62	1.24E-04	0.00E+00	0.00E+00	0.00E+00	1.91E-05	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00
791	381708.81	3737805.62	1.18E-04	0.00E+00	0.00E+00	0.00E+00	1.82E-05	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00
792	381728.81	3737805.62	1.13E-04	0.00E+00	0.00E+00	0.00E+00	1.73E-05	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00
793	381748.81	3737805.62	1.07E-04	0.00E+00	0.00E+00	0.00E+00	1.65E-05	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00
794	381768.81	3737805.62	1.01E-04	0.00E+00	0.00E+00	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00
795	381788.81	3737805.62	9.62E-05	0.00E+00	0.00E+00	0.00E+00	1.48E-05	0.00E+00	0.00E+00	0.00E+00	9.86E-06	0.00E+00	0.00E+00	0.00E+00
796	381808.81	3737805.62	9.13E-05	0.00E+00	0.00E+00	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	9.35E-06	0.00E+00	0.00E+00	0.00E+00
797	381828.81	3737805.62	8.66E-05	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00	8.87E-06	0.00E+00	0.00E+00	0.00E+00
798	381848.81	3737805.62	8.21E-05	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	8.41E-06	0.00E+00	0.00E+00	0.00E+00
799	381868.81	3737805.62	7.79E-05	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	7.98E-06	0.00E+00	0.00E+00	0.00E+00
800	381888.81	3737805.62	7.40E-05	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	7.58E-06	0.00E+00	0.00E+00	0.00E+00
801	381908.81	3737805.62	7.03E-05	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	7.20E-06	0.00E+00	0.00E+00	0.00E+00
802	381928.81	3737805.62	6.68E-05	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	6.85E-06	0.00E+00	0.00E+00	0.00E+00
803	381948.81	3737805.62	6.36E-05	0.00E+00	0.00E+00	0.00E+00	9.80E-06	0.00E+00	0.00E+00	0.00E+00	6.52E-06	0.00E+00	0.00E+00	0.00E+00
804	381968.81	3737805.62	6.06E-05	0.00E+00	0.00E+00	0.00E+00	9.34E-06	0.00E+00	0.00E+00	0.00E+00	6.21E-06	0.00E+00	0.00E+00	0.00E+00
805	381988.81	3737805.62	5.77E-05	0.00E+00	0.00E+00	0.00E+00	8.90E-06	0.00E+00	0.00E+00	0.00E+00	5.91E-06	0.00E+00	0.00E+00	0.00E+00
806	382008.81	3737805.62	5.50E-05	0.00E+00	0.00E+00	0.00E+00	8.48E-06	0.00E+00	0.00E+00	0.00E+00	5.64E-06	0.00E+00	0.00E+00	0.00E+00

807	382028.81	3737805.62	5.24E-05	0.00E+00	0.00E+00	0.00E+00	8.08E-06	0.00E+00	0.00E+00	0.00E+00	5.37E-06	0.00E+00	0.00E+00	0.00E+00
808	382048.81	3737805.62	5.01E-05	0.00E+00	0.00E+00	0.00E+00	7.72E-06	0.00E+00	0.00E+00	0.00E+00	5.13E-06	0.00E+00	0.00E+00	0.00E+00
809	382068.81	3737805.62	4.80E-05	0.00E+00	0.00E+00	0.00E+00	7.40E-06	0.00E+00	0.00E+00	0.00E+00	4.92E-06	0.00E+00	0.00E+00	0.00E+00
810	382088.81	3737805.62	4.60E-05	0.00E+00	0.00E+00	0.00E+00	7.09E-06	0.00E+00	0.00E+00	0.00E+00	4.71E-06	0.00E+00	0.00E+00	0.00E+00
811	382108.81	3737805.62	4.41E-05	0.00E+00	0.00E+00	0.00E+00	6.79E-06	0.00E+00	0.00E+00	0.00E+00	4.51E-06	0.00E+00	0.00E+00	0.00E+00
812	382128.81	3737805.62	4.22E-05	0.00E+00	0.00E+00	0.00E+00	6.51E-06	0.00E+00	0.00E+00	0.00E+00	4.33E-06	0.00E+00	0.00E+00	0.00E+00
813	382148.81	3737805.62	4.06E-05	0.00E+00	0.00E+00	0.00E+00	6.25E-06	0.00E+00	0.00E+00	0.00E+00	4.15E-06	0.00E+00	0.00E+00	0.00E+00
814	382168.81	3737805.62	3.89E-05	0.00E+00	0.00E+00	0.00E+00	6.00E-06	0.00E+00	0.00E+00	0.00E+00	3.99E-06	0.00E+00	0.00E+00	0.00E+00
815	382188.81	3737805.62	3.74E-05	0.00E+00	0.00E+00	0.00E+00	5.77E-06	0.00E+00	0.00E+00	0.00E+00	3.83E-06	0.00E+00	0.00E+00	0.00E+00
816	382208.81	3737805.62	3.60E-05	0.00E+00	0.00E+00	0.00E+00	5.55E-06	0.00E+00	0.00E+00	0.00E+00	3.69E-06	0.00E+00	0.00E+00	0.00E+00
817	382228.81	3737805.62	3.46E-05	0.00E+00	0.00E+00	0.00E+00	5.34E-06	0.00E+00	0.00E+00	0.00E+00	3.55E-06	0.00E+00	0.00E+00	0.00E+00
818	382248.81	3737805.62	3.32E-05	0.00E+00	0.00E+00	0.00E+00	5.12E-06	0.00E+00	0.00E+00	0.00E+00	3.40E-06	0.00E+00	0.00E+00	0.00E+00
819	382268.81	3737805.62	3.20E-05	0.00E+00	0.00E+00	0.00E+00	4.93E-06	0.00E+00	0.00E+00	0.00E+00	3.28E-06	0.00E+00	0.00E+00	0.00E+00
820	382288.81	3737805.62	3.10E-05	0.00E+00	0.00E+00	0.00E+00	4.78E-06	0.00E+00	0.00E+00	0.00E+00	3.18E-06	0.00E+00	0.00E+00	0.00E+00
821	382308.81	3737805.62	3.00E-05	0.00E+00	0.00E+00	0.00E+00	4.62E-06	0.00E+00	0.00E+00	0.00E+00	3.07E-06	0.00E+00	0.00E+00	0.00E+00
822	382328.81	3737805.62	2.89E-05	0.00E+00	0.00E+00	0.00E+00	4.46E-06	0.00E+00	0.00E+00	0.00E+00	2.96E-06	0.00E+00	0.00E+00	0.00E+00
823	382348.81	3737805.62	2.80E-05	0.00E+00	0.00E+00	0.00E+00	4.31E-06	0.00E+00	0.00E+00	0.00E+00	2.86E-06	0.00E+00	0.00E+00	0.00E+00
824	382368.81	3737805.62	2.70E-05	0.00E+00	0.00E+00	0.00E+00	4.17E-06	0.00E+00	0.00E+00	0.00E+00	2.77E-06	0.00E+00	0.00E+00	0.00E+00
825	382388.81	3737805.62	2.62E-05	0.00E+00	0.00E+00	0.00E+00	4.03E-06	0.00E+00	0.00E+00	0.00E+00	2.68E-06	0.00E+00	0.00E+00	0.00E+00
826	382408.81	3737805.62	2.53E-05	0.00E+00	0.00E+00	0.00E+00	3.90E-06	0.00E+00	0.00E+00	0.00E+00	2.59E-06	0.00E+00	0.00E+00	0.00E+00
827	382428.81	3737805.62	2.45E-05	0.00E+00	0.00E+00	0.00E+00	3.78E-06	0.00E+00	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00
828	382448.81	3737805.62	2.37E-05	0.00E+00	0.00E+00	0.00E+00	3.65E-06	0.00E+00	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00
829	382468.81	3737805.62	2.28E-05	0.00E+00	0.00E+00	0.00E+00	3.52E-06	0.00E+00	0.00E+00	0.00E+00	2.34E-06	0.00E+00	0.00E+00	0.00E+00
830	382488.81	3737805.62	2.21E-05	0.00E+00	0.00E+00	0.00E+00	3.41E-06	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00
831	382508.81	3737805.62	2.15E-05	0.00E+00	0.00E+00	0.00E+00	3.32E-06	0.00E+00	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00
832	382528.81	3737805.62	2.09E-05	0.00E+00	0.00E+00	0.00E+00	3.22E-06	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00
833	382548.81	3737805.62	2.04E-05	0.00E+00	0.00E+00	0.00E+00	3.14E-06	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00
834	382568.81	3737805.62	1.98E-05	0.00E+00	0.00E+00	0.00E+00	3.06E-06	0.00E+00	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00
835	382588.81	3737805.62	1.93E-05	0.00E+00	0.00E+00	0.00E+00	2.97E-06	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00
836	382608.81	3737805.62	1.87E-05	0.00E+00	0.00E+00	0.00E+00	2.89E-06	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00
837	382628.81	3737805.62	1.82E-05	0.00E+00	0.00E+00	0.00E+00	2.81E-06	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00
838	382648.81	3737805.62	1.77E-05	0.00E+00	0.00E+00	0.00E+00	2.73E-06	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00
839	382668.81	3737805.62	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.66E-06	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00
840	382688.81	3737805.62	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.59E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
841	382708.81	3737805.62	1.64E-05	0.00E+00	0.00E+00	0.00E+00	2.52E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
842	381628.81	3737825.92	1.41E-04	0.00E+00	0.00E+00	0.00E+00	2.17E-05	0.00E+00	0.00E+00	0.00E+00	1.44E-05	0.00E+00	0.00E+00	0.00E+00
843	381648.81	3737825.92	1.34E-04	0.00E+00	0.00E+00	0.00E+00	2.07E-05	0.00E+00	0.00E+00	0.00E+00	1.37E-05	0.00E+00	0.00E+00	0.00E+00
844	381668.81	3737825.92	1.28E-04	0.00E+00	0.00E+00	0.00E+00	1.97E-05	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00
845	381688.81	3737825.92	1.22E-04	0.00E+00	0.00E+00	0.00E+00	1.88E-05	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00
846	381708.81	3737825.92	1.17E-04	0.00E+00	0.00E+00	0.00E+00	1.80E-05	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00
847	381728.81	3737825.92	1.11E-04	0.00E+00	0.00E+00	0.00E+00	1.71E-05	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00
848	381748.81	3737825.92	1.06E-04	0.00E+00	0.00E+00	0.00E+00	1.63E-05	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00
849	381768.81	3737825.92	1.01E-04	0.00E+00	0.00E+00	0.00E+00	1.55E-05	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00
850	381788.81	3737825.92	9.55E-05	0.00E+00	0.00E+00	0.00E+00	1.47E-05	0.00E+00	0.00E+00	0.00E+00	9.78E-06	0.00E+00	0.00E+00	0.00E+00
851	381808.81	3737825.92	9.07E-05	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	9.29E-06	0.00E+00	0.00E+00	0.00E+00
852	381828.81	3737825.92	8.61E-05	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00	8.82E-06	0.00E+00	0.00E+00	0.00E+00
853	381848.81	3737825.92	8.17E-05	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	8.37E-06	0.00E+00	0.00E+00	0.00E+00
854	381868.81	3737825.92	7.76E-05	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	7.95E-06	0.00E+00	0.00E+00	0.00E+00
855	381888.81	3737825.92	7.37E-05	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	7.55E-06	0.00E+00	0.00E+00	0.00E+00
856	381908.81	3737825.92	6.99E-05	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	7.16E-06	0.00E+00	0.00E+00	0.00E+00
857	381928.81	3737825.92	6.67E-05	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	6.83E-06	0.00E+00	0.00E+00	0.00E+00
858	381948.81	3737825.92	6.35E-05	0.00E+00	0.00E+00	0.00E+00	9.79E-06	0.00E+00	0.00E+00	0.00E+00	6.51E-06	0.00E+00	0.00E+00	0.00E+00
859	381968.81	3737825.92	6.05E-05	0.00E+00	0.00E+00	0.00E+00	9.33E-06	0.00E+00	0.00E+00	0.00E+00	6.20E-06	0.00E+00	0.00E+00	0.00E+00
860	381988.81	3737825.92	5.77E-05	0.00E+00	0.00E+00	0.00E+00	8.89E-06	0.00E+00	0.00E+00	0.00E+00	5.91E-06	0.00E+00	0.00E+00	0.00E+00
861	382008.81	3737825.92	5.50E-05	0.00E+00	0.00E+00	0.00E+00	8.48E-06	0.00E+00	0.00E+00	0.00E+00	5.64E-06	0.00E+00	0.00E+00	0.00E+00
862	382028.81	3737825.92	5.26E-05	0.00E+00	0.00E+00	0.00E+00	8.10E-06	0.00E+00	0.00E+00	0.00E+00	5.38E-06	0.00E+00	0.00E+00	0.00E+00
863	382048.81	3737825.92	5.02E-05	0.00E+00	0.00E+00	0.00E+00	7.74E-06	0.00E+00	0.00E+00	0.00E+00	5.15E-06	0.00E+00	0.00E+00	0.00E+00
864	382068.81	3737825.92	4.81E-05	0.00E+00	0.00E+00	0.00E+00	7.41E-06	0.00E+00	0.00E+00	0.00E+00	4.92E-06	0.00E+00	0.00E+00	0.00E+00
865	382088.81	3737825.92	4.60E-05	0.00E+00	0.00E+00	0.00E+00	7.09E-06	0.00E+00	0.00E+00	0.00E+00	4.71E-06	0.00E+00	0.00E+00	0.00E+00
866	382108.81	3737825.92	4.41E-05	0.00E+00	0.00E+00	0.00E+00	6.80E-06	0.00E+00	0.00E+00	0.00E+00	4.52E-06	0.00E+00	0.00E+00	0.00E+00
867	382128.81	3737825.92	4.23E-05	0.00E+00	0.00E+00	0.00E+00	6.52E-06	0.00E+00	0.00E+00	0.00E+00	4.33E-06	0.00E+00	0.00E+00	0.00E+00
868	382148.81	3737825.92	4.06E-05	0.00E+00	0.00E+00	0.00E+00	6.26E-06	0.00E+00	0.00E+00	0.00E+00	4.16E-06	0.00E+00	0.00E+00	0.00E+00
869	382168.81	3737825.92	3.90E-05	0.00E+00	0.00E+00	0.00E+00	6.01E-06	0.00E+00	0.00E+00	0.00E+00	4.00E-06	0.00E+00	0.00E+00	0.00E+00
870	382188.81	3737825.92	3.75E-05	0.00E+00	0.00E+00	0.00E+00	5.78E-06	0.00E+00	0.00E+00	0.00E+00	3.84E-06	0.00E+00	0.00E+00	0.00E+00
871	382208.81	3737825.92	3.61E-05	0.00E+00	0.00E+00	0.00E+00	5.56E-06	0.00E+00	0.00E+00	0.00E+00	3.69E-06	0.00E+00	0.00E+00	0.00E+00
872	382228.81	3737825.92	3.47E-05	0.00E+00	0.00E+00	0.00E+00	5.35E-06	0.00E+00	0.00E+00	0.00E+00	3.56E-06	0.00E+00	0.00E+00	0.00E+00
873	382248.81	3737825.92	3.34E-05	0.00E+00	0.00E+00	0.00E+00	5.15E-06	0.00E+00	0.00E+00	0.00E+00	3.42E-06	0.00E+00	0.00E+00	0.00E+00
874	382268.81	3737825.92	3.22E-05	0.00E+00	0.00E+00	0.00E+00	4.96E-06	0.00E+00	0.00E+00	0.00E+00	3.29E-06	0.00E+00	0.00E+00	0.00E+00
875	382288.81	3737825.92	3.11E-05	0.00E+00	0.00E+00	0.00E+00	4.80E-06	0.00E+00	0.00E+00	0.00E+00	3.19E-06	0.00E+00	0.00E+00	0.00E+00
876	382308.81	3737825.92	3.00E-05	0.00E+00	0.00E+00	0.00E+00	4.63E-06	0.00E+00	0.00E+00	0.00E+00	3.08E-06	0.00E+00	0.00E+00	0.00E+00
877	382328.81	3737825.92	2.90E-05	0.00E+00	0.00E+00	0.00E+00	4.47E-06	0.00E+00	0.00E+00	0.00E+00	2.97E-06	0.00E+00	0.00E+00	0.00E+00
878	382348.81	3737825.92	2.81E-05	0.00E+00	0.00E+00	0.00E+00	4.32E-06	0.00E+00	0.00E+00	0.00E+00	2.87E-06	0.00E+00	0.00E+00	0.00E+00
879	382368.81	3737825.92	2.71E-05	0.00E+00	0.00E+00	0.00E+00	4.18E-06	0.00E+00	0.00E+00	0.00E+00	2.78E-06	0.00E+00	0.00E+00	0.00E+00
880	382388.81	3737825.92	2.63E-05	0.00E+00	0.00E+00	0.00E+00	4.05E-06	0.00E+00	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00
881	382408.81	3737825.92	2.54E-05	0.00E+00	0.00E+00	0.00E+00	3.92E-06	0.00E+00	0.00E+00	0.00E+00	2.60E-06	0.00E+00	0.00E+00	0.00E+00
882	382428.81	3737825.92	2.46E-05	0.00E+00	0.00E+00	0.00E+00	3.79E-06	0.00E+00	0.00E+00	0.00E+00	2.52E-06	0.00E+00	0.00E+00	0.00E+00
883	382448.81	3737825.92	2.37E-05	0.00E+00	0.00E+00	0.00E+00	3.65E-06	0.00E+00	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00
884	382468.81	3737825.92	2.28E-05	0.00E+00	0.00E+00	0.00E+00	3.52E-06	0.00E+00	0.00E+00	0.00E+00	2.34E-06	0.00E+00	0.00E+00	0.00E+00
885	382488.81	3737825.92	2.21E-05	0.00E+00	0.00E+00	0.00E+00	3.41E-06	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00
886	382508.81	3737825.92	2.15E-05	0.00E+00	0.00E+00	0.00E+00	3.32E-06	0.00E+00	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00
887	382528.81	3737825.92	2.10E-05	0.00E+00	0.00E+00	0.00E+00	3.23E-06	0.00E+00	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00
888	382548.81	3737825.92	2.05E-05	0.00E+00	0.00E+00	0.00E+00	3.15E-06	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00
889	382568.81	3737825.92	1.99E-05	0.00E+00	0.00E+00	0.00E+00	3.07E-06	0.00E+00	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00
890	382588.81	3737825.92	1.94E-05	0.00E+00	0.00E+00	0.00E+00	2.99E-06	0.00E+00	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00
891	382608.81	3737825.92	1.88E-05	0.00E+00	0.00E+00	0.00E+00	2.90E-06	0.00E+00	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00
892	382628.81	3737825.92	1.83E-05	0.00E+00	0.00E+00	0.00E+00	2.82E-06	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00
893	381628.81	3737846.22	1.37E-04	0.00E+00	0.00E+00	0.00E+00	2.12E-05	0.00E+00	0.00E+00	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00
894	381648.81	3737846.22	1.31E-04	0.00E+00	0.00E+00	0.00E+00	2.03E-05	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00
895	381668.81	3737846.22	1.25E-04	0.00E+00	0.00E+00	0.00E+00	1.93E-05	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00
896	381688.81	3737846.22	1.19E-04	0.00E+00	0.00E+00	0.00E+00	1.83E-05	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00

897	381708.81	3737846.22	1.15E-04	0.00E+00	0.00E+00	0.00E+00	1.77E-05	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00
898	381728.81	3737846.22	1.10E-04	0.00E+00	0.00E+00	0.00E+00	1.69E-05	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00
899	381748.81	3737846.22	1.05E-04	0.00E+00	0.00E+00	0.00E+00	1.61E-05	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00
900	381768.81	3737846.22	9.96E-05	0.00E+00	0.00E+00	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00
901	381788.81	3737846.22	9.47E-05	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	9.70E-06	0.00E+00	0.00E+00	0.00E+00
902	381808.81	3737846.22	9.00E-05	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	9.22E-06	0.00E+00	0.00E+00	0.00E+00
903	381828.81	3737846.22	8.55E-05	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	8.76E-06	0.00E+00	0.00E+00	0.00E+00
904	381848.81	3737846.22	8.13E-05	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	8.32E-06	0.00E+00	0.00E+00	0.00E+00
905	381868.81	3737846.22	7.71E-05	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	7.89E-06	0.00E+00	0.00E+00	0.00E+00
906	381888.81	3737846.22	7.27E-05	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	7.45E-06	0.00E+00	0.00E+00	0.00E+00
907	381908.81	3737846.22	6.91E-05	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	7.07E-06	0.00E+00	0.00E+00	0.00E+00
908	381928.81	3737846.22	6.61E-05	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	6.77E-06	0.00E+00	0.00E+00	0.00E+00
909	381948.81	3737846.22	6.34E-05	0.00E+00	0.00E+00	0.00E+00	9.77E-06	0.00E+00	0.00E+00	0.00E+00	6.49E-06	0.00E+00	0.00E+00	0.00E+00
910	381968.81	3737846.22	6.04E-05	0.00E+00	0.00E+00	0.00E+00	9.32E-06	0.00E+00	0.00E+00	0.00E+00	6.19E-06	0.00E+00	0.00E+00	0.00E+00
911	381988.81	3737846.22	5.77E-05	0.00E+00	0.00E+00	0.00E+00	8.89E-06	0.00E+00	0.00E+00	0.00E+00	5.91E-06	0.00E+00	0.00E+00	0.00E+00
912	382008.81	3737846.22	5.50E-05	0.00E+00	0.00E+00	0.00E+00	8.48E-06	0.00E+00	0.00E+00	0.00E+00	5.64E-06	0.00E+00	0.00E+00	0.00E+00
913	382028.81	3737846.22	5.26E-05	0.00E+00	0.00E+00	0.00E+00	8.10E-06	0.00E+00	0.00E+00	0.00E+00	5.39E-06	0.00E+00	0.00E+00	0.00E+00
914	382048.81	3737846.22	5.03E-05	0.00E+00	0.00E+00	0.00E+00	7.75E-06	0.00E+00	0.00E+00	0.00E+00	5.15E-06	0.00E+00	0.00E+00	0.00E+00
915	382068.81	3737846.22	4.81E-05	0.00E+00	0.00E+00	0.00E+00	7.41E-06	0.00E+00	0.00E+00	0.00E+00	4.93E-06	0.00E+00	0.00E+00	0.00E+00
916	382088.81	3737846.22	4.61E-05	0.00E+00	0.00E+00	0.00E+00	7.10E-06	0.00E+00	0.00E+00	0.00E+00	4.72E-06	0.00E+00	0.00E+00	0.00E+00
917	382108.81	3737846.22	4.42E-05	0.00E+00	0.00E+00	0.00E+00	6.81E-06	0.00E+00	0.00E+00	0.00E+00	4.52E-06	0.00E+00	0.00E+00	0.00E+00
918	382128.81	3737846.22	4.24E-05	0.00E+00	0.00E+00	0.00E+00	6.53E-06	0.00E+00	0.00E+00	0.00E+00	4.34E-06	0.00E+00	0.00E+00	0.00E+00
919	382148.81	3737846.22	4.07E-05	0.00E+00	0.00E+00	0.00E+00	6.27E-06	0.00E+00	0.00E+00	0.00E+00	4.17E-06	0.00E+00	0.00E+00	0.00E+00
920	382168.81	3737846.22	3.91E-05	0.00E+00	0.00E+00	0.00E+00	6.02E-06	0.00E+00	0.00E+00	0.00E+00	4.00E-06	0.00E+00	0.00E+00	0.00E+00
921	382188.81	3737846.22	3.76E-05	0.00E+00	0.00E+00	0.00E+00	5.79E-06	0.00E+00	0.00E+00	0.00E+00	3.85E-06	0.00E+00	0.00E+00	0.00E+00
922	382208.81	3737846.22	3.61E-05	0.00E+00	0.00E+00	0.00E+00	5.57E-06	0.00E+00	0.00E+00	0.00E+00	3.70E-06	0.00E+00	0.00E+00	0.00E+00
923	382228.81	3737846.22	3.48E-05	0.00E+00	0.00E+00	0.00E+00	5.36E-06	0.00E+00	0.00E+00	0.00E+00	3.56E-06	0.00E+00	0.00E+00	0.00E+00
924	382248.81	3737846.22	3.35E-05	0.00E+00	0.00E+00	0.00E+00	5.17E-06	0.00E+00	0.00E+00	0.00E+00	3.43E-06	0.00E+00	0.00E+00	0.00E+00
925	382268.81	3737846.22	3.23E-05	0.00E+00	0.00E+00	0.00E+00	4.98E-06	0.00E+00	0.00E+00	0.00E+00	3.31E-06	0.00E+00	0.00E+00	0.00E+00
926	382288.81	3737846.22	3.12E-05	0.00E+00	0.00E+00	0.00E+00	4.81E-06	0.00E+00	0.00E+00	0.00E+00	3.20E-06	0.00E+00	0.00E+00	0.00E+00
927	382308.81	3737846.22	3.01E-05	0.00E+00	0.00E+00	0.00E+00	4.64E-06	0.00E+00	0.00E+00	0.00E+00	3.09E-06	0.00E+00	0.00E+00	0.00E+00
928	382328.81	3737846.22	2.91E-05	0.00E+00	0.00E+00	0.00E+00	4.49E-06	0.00E+00	0.00E+00	0.00E+00	2.98E-06	0.00E+00	0.00E+00	0.00E+00
929	382348.81	3737846.22	2.81E-05	0.00E+00	0.00E+00	0.00E+00	4.34E-06	0.00E+00	0.00E+00	0.00E+00	2.88E-06	0.00E+00	0.00E+00	0.00E+00
930	382368.81	3737846.22	2.72E-05	0.00E+00	0.00E+00	0.00E+00	4.19E-06	0.00E+00	0.00E+00	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00
931	382388.81	3737846.22	2.63E-05	0.00E+00	0.00E+00	0.00E+00	4.06E-06	0.00E+00	0.00E+00	0.00E+00	2.70E-06	0.00E+00	0.00E+00	0.00E+00
932	382408.81	3737846.22	2.55E-05	0.00E+00	0.00E+00	0.00E+00	3.93E-06	0.00E+00	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00
933	382428.81	3737846.22	2.47E-05	0.00E+00	0.00E+00	0.00E+00	3.81E-06	0.00E+00	0.00E+00	0.00E+00	2.53E-06	0.00E+00	0.00E+00	0.00E+00
934	382448.81	3737846.22	2.38E-05	0.00E+00	0.00E+00	0.00E+00	3.67E-06	0.00E+00	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00
935	382468.81	3737846.22	2.29E-05	0.00E+00	0.00E+00	0.00E+00	3.53E-06	0.00E+00	0.00E+00	0.00E+00	2.34E-06	0.00E+00	0.00E+00	0.00E+00
936	382488.81	3737846.22	2.22E-05	0.00E+00	0.00E+00	0.00E+00	3.42E-06	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00
937	382508.81	3737846.22	2.15E-05	0.00E+00	0.00E+00	0.00E+00	3.32E-06	0.00E+00	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00
938	382528.81	3737846.22	2.10E-05	0.00E+00	0.00E+00	0.00E+00	3.24E-06	0.00E+00	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00
939	382548.81	3737846.22	2.05E-05	0.00E+00	0.00E+00	0.00E+00	3.16E-06	0.00E+00	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00
940	381608.81	3737866.52	1.41E-04	0.00E+00	0.00E+00	0.00E+00	2.17E-05	0.00E+00	0.00E+00	0.00E+00	1.44E-05	0.00E+00	0.00E+00	0.00E+00
941	381628.81	3737866.52	1.35E-04	0.00E+00	0.00E+00	0.00E+00	2.08E-05	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00
942	381648.81	3737866.52	1.29E-04	0.00E+00	0.00E+00	0.00E+00	2.00E-05	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00
943	381668.81	3737866.52	1.24E-04	0.00E+00	0.00E+00	0.00E+00	1.91E-05	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00
944	381688.81	3737866.52	1.18E-04	0.00E+00	0.00E+00	0.00E+00	1.82E-05	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00
945	381708.81	3737866.52	1.13E-04	0.00E+00	0.00E+00	0.00E+00	1.74E-05	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00
946	381728.81	3737866.52	1.08E-04	0.00E+00	0.00E+00	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00
947	381748.81	3737866.52	1.04E-04	0.00E+00	0.00E+00	0.00E+00	1.60E-05	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00
948	381768.81	3737866.52	9.86E-05	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00
949	381788.81	3737866.52	9.38E-05	0.00E+00	0.00E+00	0.00E+00	1.45E-05	0.00E+00	0.00E+00	0.00E+00	9.61E-06	0.00E+00	0.00E+00	0.00E+00
950	381808.81	3737866.52	8.93E-05	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	9.15E-06	0.00E+00	0.00E+00	0.00E+00
951	381828.81	3737866.52	8.50E-05	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	8.70E-06	0.00E+00	0.00E+00	0.00E+00
952	381848.81	3737866.52	8.08E-05	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	8.28E-06	0.00E+00	0.00E+00	0.00E+00
953	381868.81	3737866.52	7.68E-05	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	7.86E-06	0.00E+00	0.00E+00	0.00E+00
954	381888.81	3737866.52	7.26E-05	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	7.44E-06	0.00E+00	0.00E+00	0.00E+00
955	381908.81	3737866.52	6.89E-05	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	7.06E-06	0.00E+00	0.00E+00	0.00E+00
956	381928.81	3737866.52	6.57E-05	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	6.73E-06	0.00E+00	0.00E+00	0.00E+00
957	381948.81	3737866.52	6.30E-05	0.00E+00	0.00E+00	0.00E+00	9.71E-06	0.00E+00	0.00E+00	0.00E+00	6.45E-06	0.00E+00	0.00E+00	0.00E+00
958	381968.81	3737866.52	6.03E-05	0.00E+00	0.00E+00	0.00E+00	9.30E-06	0.00E+00	0.00E+00	0.00E+00	6.18E-06	0.00E+00	0.00E+00	0.00E+00
959	381988.81	3737866.52	5.76E-05	0.00E+00	0.00E+00	0.00E+00	8.88E-06	0.00E+00	0.00E+00	0.00E+00	5.90E-06	0.00E+00	0.00E+00	0.00E+00
960	382008.81	3737866.52	5.50E-05	0.00E+00	0.00E+00	0.00E+00	8.48E-06	0.00E+00	0.00E+00	0.00E+00	5.63E-06	0.00E+00	0.00E+00	0.00E+00
961	382028.81	3737866.52	5.26E-05	0.00E+00	0.00E+00	0.00E+00	8.10E-06	0.00E+00	0.00E+00	0.00E+00	5.38E-06	0.00E+00	0.00E+00	0.00E+00
962	382048.81	3737866.52	5.03E-05	0.00E+00	0.00E+00	0.00E+00	7.75E-06	0.00E+00	0.00E+00	0.00E+00	5.15E-06	0.00E+00	0.00E+00	0.00E+00
963	382068.81	3737866.52	4.81E-05	0.00E+00	0.00E+00	0.00E+00	7.42E-06	0.00E+00	0.00E+00	0.00E+00	4.93E-06	0.00E+00	0.00E+00	0.00E+00
964	382088.81	3737866.52	4.61E-05	0.00E+00	0.00E+00	0.00E+00	7.11E-06	0.00E+00	0.00E+00	0.00E+00	4.72E-06	0.00E+00	0.00E+00	0.00E+00
965	382108.81	3737866.52	4.42E-05	0.00E+00	0.00E+00	0.00E+00	6.81E-06	0.00E+00	0.00E+00	0.00E+00	4.53E-06	0.00E+00	0.00E+00	0.00E+00
966	382128.81	3737866.52	4.24E-05	0.00E+00	0.00E+00	0.00E+00	6.54E-06	0.00E+00	0.00E+00	0.00E+00	4.34E-06	0.00E+00	0.00E+00	0.00E+00
967	382148.81	3737866.52	4.07E-05	0.00E+00	0.00E+00	0.00E+00	6.28E-06	0.00E+00	0.00E+00	0.00E+00	4.17E-06	0.00E+00	0.00E+00	0.00E+00
968	382168.81	3737866.52	3.91E-05	0.00E+00	0.00E+00	0.00E+00	6.03E-06	0.00E+00	0.00E+00	0.00E+00	4.01E-06	0.00E+00	0.00E+00	0.00E+00
969	382188.81	3737866.52	3.76E-05	0.00E+00	0.00E+00	0.00E+00	5.80E-06	0.00E+00	0.00E+00	0.00E+00	3.86E-06	0.00E+00	0.00E+00	0.00E+00
970	382208.81	3737866.52	3.62E-05	0.00E+00	0.00E+00	0.00E+00	5.58E-06	0.00E+00	0.00E+00	0.00E+00	3.71E-06	0.00E+00	0.00E+00	0.00E+00
971	382228.81	3737866.52	3.49E-05	0.00E+00	0.00E+00	0.00E+00	5.37E-06	0.00E+00	0.00E+00	0.00E+00	3.57E-06	0.00E+00	0.00E+00	0.00E+00
972	382248.81	3737866.52	3.36E-05	0.00E+00	0.00E+00	0.00E+00	5.18E-06	0.00E+00	0.00E+00	0.00E+00	3.44E-06	0.00E+00	0.00E+00	0.00E+00
973	382268.81	3737866.52	3.24E-05	0.00E+00	0.00E+00	0.00E+00	5.00E-06	0.00E+00	0.00E+00	0.00E+00	3.32E-06	0.00E+00	0.00E+00	0.00E+00
974	382288.81	3737866.52	3.13E-05	0.00E+00	0.00E+00	0.00E+00	4.82E-06	0.00E+00	0.00E+00	0.00E+00	3.20E-06	0.00E+00	0.00E+00	0.00E+00
975	382308.81	3737866.52	3.02E-05	0.00E+00	0.00E+00	0.00E+00	4.66E-06	0.00E+00	0.00E+00	0.00E+00	3.09E-06	0.00E+00	0.00E+00	0.00E+00
976	382328.81	3737866.52	2.92E-05	0.00E+00	0.00E+00	0.00E+00	4.50E-06	0.00E+00	0.00E+00	0.00E+00	2.99E-06	0.00E+00	0.00E+00	0.00E+00
977	382348.81	3737866.52	2.82E-05	0.00E+00	0.00E+00	0.00E+00	4.35E-06	0.00E+00	0.00E+00	0.00E+00	2.89E-06	0.00E+00	0.00E+00	0.00E+00
978	382368.81	3737866.52	2.73E-05	0.00E+00	0.00E+00	0.00E+00	4.21E-06	0.00E+00	0.00E+00	0.00E+00	2.80E-06	0.00E+00	0.00E+00	0.00E+00
979	382388.81	3737866.52	2.64E-05	0.00E+00	0.00E+00	0.00E+00	4.07E-06	0.00E+00	0.00E+00	0.00E+00	2.71E-06	0.00E+00	0.00E+00	0.00E+00
980	382408.81	3737866.52	2.56E-05	0.00E+00	0.00E+00	0.00E+00	3.94E-06	0.00E+00	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00
981	382428.81	3737866.52	2.48E-05	0.00E+00	0.00E+00	0.00E+00	3.82E-06	0.00E+00	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00
982	382448.81	3737866.52	2.39E-05	0.00E+00	0.00E+00	0.00E+00	3.68E-06	0.00E+00	0.00E+00	0.00E+00	2.45E-06	0.00E+00	0.00E+00	0.00E+00
983	382468.81	3737866.52	2.30E-05	0.00E+00	0.00E+00	0.00E+00	3.54E-06	0.00E+00	0.00E+00	0.00E+00	2.36E-06	0.00E+00	0.00E+00	0.00E+00
984	382488.81	3737866.52	2.23E-05	0.00E+00	0.00E+00	0.00E+00	3.43E-06	0.00E+00	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00
985	381608.81	3737886.82	1.38E-04	0.00E+00	0.00E+00	0.00E+00	2.13E-05	0.00E+00	0.00E+00	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00
986	381628.81	3737886.82	1.33E-04	0.00E+00	0.00E+00	0.00E+00	2.05E-05	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00

987	381648.81	3737886.82	1.28E-04	0.00E+00	0.00E+00	0.00E+00	1.97E-05	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00
988	381668.81	3737886.82	1.22E-04	0.00E+00	0.00E+00	0.00E+00	1.89E-05	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00
989	381688.81	3737886.82	1.17E-04	0.00E+00	0.00E+00	0.00E+00	1.80E-05	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00
990	381708.81	3737886.82	1.12E-04	0.00E+00	0.00E+00	0.00E+00	1.72E-05	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00
991	381728.81	3737886.82	1.07E-04	0.00E+00	0.00E+00	0.00E+00	1.64E-05	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00
992	381748.81	3737886.82	1.02E-04	0.00E+00	0.00E+00	0.00E+00	1.57E-05	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00
993	381768.81	3737886.82	9.75E-05	0.00E+00	0.00E+00	0.00E+00	1.50E-05	0.00E+00	0.00E+00	0.00E+00	9.98E-06	0.00E+00	0.00E+00	0.00E+00
994	381788.81	3737886.82	9.30E-05	0.00E+00	0.00E+00	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	9.53E-06	0.00E+00	0.00E+00	0.00E+00
995	381808.81	3737886.82	8.86E-05	0.00E+00	0.00E+00	0.00E+00	1.37E-05	0.00E+00	0.00E+00	0.00E+00	9.08E-06	0.00E+00	0.00E+00	0.00E+00
996	381828.81	3737886.82	8.44E-05	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	8.64E-06	0.00E+00	0.00E+00	0.00E+00
997	381848.81	3737886.82	8.04E-05	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	8.23E-06	0.00E+00	0.00E+00	0.00E+00
998	381868.81	3737886.82	7.65E-05	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	7.84E-06	0.00E+00	0.00E+00	0.00E+00
999	381888.81	3737886.82	7.28E-05	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	7.45E-06	0.00E+00	0.00E+00	0.00E+00
1000	381908.81	3737886.82	6.90E-05	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	7.07E-06	0.00E+00	0.00E+00	0.00E+00
1001	381928.81	3737886.82	6.56E-05	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	6.72E-06	0.00E+00	0.00E+00	0.00E+00
1002	381948.81	3737886.82	6.28E-05	0.00E+00	0.00E+00	0.00E+00	9.68E-06	0.00E+00	0.00E+00	0.00E+00	6.43E-06	0.00E+00	0.00E+00	0.00E+00
1003	381968.81	3737886.82	6.02E-05	0.00E+00	0.00E+00	0.00E+00	9.28E-06	0.00E+00	0.00E+00	0.00E+00	6.17E-06	0.00E+00	0.00E+00	0.00E+00
1004	381988.81	3737886.82	5.75E-05	0.00E+00	0.00E+00	0.00E+00	8.87E-06	0.00E+00	0.00E+00	0.00E+00	5.89E-06	0.00E+00	0.00E+00	0.00E+00
1005	382008.81	3737886.82	5.50E-05	0.00E+00	0.00E+00	0.00E+00	8.47E-06	0.00E+00	0.00E+00	0.00E+00	5.63E-06	0.00E+00	0.00E+00	0.00E+00
1006	382028.81	3737886.82	5.25E-05	0.00E+00	0.00E+00	0.00E+00	8.10E-06	0.00E+00	0.00E+00	0.00E+00	5.38E-06	0.00E+00	0.00E+00	0.00E+00
1007	382048.81	3737886.82	5.03E-05	0.00E+00	0.00E+00	0.00E+00	7.75E-06	0.00E+00	0.00E+00	0.00E+00	5.15E-06	0.00E+00	0.00E+00	0.00E+00
1008	382068.81	3737886.82	4.82E-05	0.00E+00	0.00E+00	0.00E+00	7.42E-06	0.00E+00	0.00E+00	0.00E+00	4.93E-06	0.00E+00	0.00E+00	0.00E+00
1009	382088.81	3737886.82	4.61E-05	0.00E+00	0.00E+00	0.00E+00	7.11E-06	0.00E+00	0.00E+00	0.00E+00	4.73E-06	0.00E+00	0.00E+00	0.00E+00
1010	382108.81	3737886.82	4.42E-05	0.00E+00	0.00E+00	0.00E+00	6.82E-06	0.00E+00	0.00E+00	0.00E+00	4.53E-06	0.00E+00	0.00E+00	0.00E+00
1011	382128.81	3737886.82	4.25E-05	0.00E+00	0.00E+00	0.00E+00	6.55E-06	0.00E+00	0.00E+00	0.00E+00	4.35E-06	0.00E+00	0.00E+00	0.00E+00
1012	382148.81	3737886.82	4.08E-05	0.00E+00	0.00E+00	0.00E+00	6.28E-06	0.00E+00	0.00E+00	0.00E+00	4.18E-06	0.00E+00	0.00E+00	0.00E+00
1013	382168.81	3737886.82	3.92E-05	0.00E+00	0.00E+00	0.00E+00	6.04E-06	0.00E+00	0.00E+00	0.00E+00	4.01E-06	0.00E+00	0.00E+00	0.00E+00
1014	382188.81	3737886.82	3.77E-05	0.00E+00	0.00E+00	0.00E+00	5.81E-06	0.00E+00	0.00E+00	0.00E+00	3.86E-06	0.00E+00	0.00E+00	0.00E+00
1015	382208.81	3737886.82	3.63E-05	0.00E+00	0.00E+00	0.00E+00	5.59E-06	0.00E+00	0.00E+00	0.00E+00	3.72E-06	0.00E+00	0.00E+00	0.00E+00
1016	382228.81	3737886.82	3.49E-05	0.00E+00	0.00E+00	0.00E+00	5.38E-06	0.00E+00	0.00E+00	0.00E+00	3.58E-06	0.00E+00	0.00E+00	0.00E+00
1017	382248.81	3737886.82	3.37E-05	0.00E+00	0.00E+00	0.00E+00	5.19E-06	0.00E+00	0.00E+00	0.00E+00	3.45E-06	0.00E+00	0.00E+00	0.00E+00
1018	382268.81	3737886.82	3.25E-05	0.00E+00	0.00E+00	0.00E+00	5.01E-06	0.00E+00	0.00E+00	0.00E+00	3.33E-06	0.00E+00	0.00E+00	0.00E+00
1019	382288.81	3737886.82	3.13E-05	0.00E+00	0.00E+00	0.00E+00	4.83E-06	0.00E+00	0.00E+00	0.00E+00	3.21E-06	0.00E+00	0.00E+00	0.00E+00
1020	382308.81	3737886.82	3.03E-05	0.00E+00	0.00E+00	0.00E+00	4.67E-06	0.00E+00	0.00E+00	0.00E+00	3.10E-06	0.00E+00	0.00E+00	0.00E+00
1021	382328.81	3737886.82	2.93E-05	0.00E+00	0.00E+00	0.00E+00	4.51E-06	0.00E+00	0.00E+00	0.00E+00	3.00E-06	0.00E+00	0.00E+00	0.00E+00
1022	382348.81	3737886.82	2.83E-05	0.00E+00	0.00E+00	0.00E+00	4.36E-06	0.00E+00	0.00E+00	0.00E+00	2.90E-06	0.00E+00	0.00E+00	0.00E+00
1023	382368.81	3737886.82	2.74E-05	0.00E+00	0.00E+00	0.00E+00	4.22E-06	0.00E+00	0.00E+00	0.00E+00	2.80E-06	0.00E+00	0.00E+00	0.00E+00
1024	382388.81	3737886.82	2.65E-05	0.00E+00	0.00E+00	0.00E+00	4.08E-06	0.00E+00	0.00E+00	0.00E+00	2.71E-06	0.00E+00	0.00E+00	0.00E+00
1025	382408.81	3737886.82	2.57E-05	0.00E+00	0.00E+00	0.00E+00	3.96E-06	0.00E+00	0.00E+00	0.00E+00	2.63E-06	0.00E+00	0.00E+00	0.00E+00
1026	381608.81	3737907.12	1.36E-04	0.00E+00	0.00E+00	0.00E+00	2.09E-05	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00
1027	381628.81	3737907.12	1.31E-04	0.00E+00	0.00E+00	0.00E+00	2.02E-05	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00
1028	381648.81	3737907.12	1.26E-04	0.00E+00	0.00E+00	0.00E+00	1.94E-05	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00
1029	381668.81	3737907.12	1.21E-04	0.00E+00	0.00E+00	0.00E+00	1.86E-05	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00
1030	381688.81	3737907.12	1.15E-04	0.00E+00	0.00E+00	0.00E+00	1.78E-05	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00
1031	381708.81	3737907.12	1.10E-04	0.00E+00	0.00E+00	0.00E+00	1.70E-05	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00
1032	381728.81	3737907.12	1.05E-04	0.00E+00	0.00E+00	0.00E+00	1.62E-05	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00
1033	381748.81	3737907.12	1.01E-04	0.00E+00	0.00E+00	0.00E+00	1.55E-05	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00
1034	381768.81	3737907.12	9.64E-05	0.00E+00	0.00E+00	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	9.88E-06	0.00E+00	0.00E+00	0.00E+00
1035	381788.81	3737907.12	9.22E-05	0.00E+00	0.00E+00	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00	9.45E-06	0.00E+00	0.00E+00	0.00E+00
1036	381808.81	3737907.12	8.80E-05	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	9.01E-06	0.00E+00	0.00E+00	0.00E+00
1037	381828.81	3737907.12	8.39E-05	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	8.59E-06	0.00E+00	0.00E+00	0.00E+00
1038	381848.81	3737907.12	8.00E-05	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	8.19E-06	0.00E+00	0.00E+00	0.00E+00
1039	381868.81	3737907.12	7.62E-05	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	7.81E-06	0.00E+00	0.00E+00	0.00E+00
1040	381888.81	3737907.12	7.26E-05	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	7.44E-06	0.00E+00	0.00E+00	0.00E+00
1041	381908.81	3737907.12	6.92E-05	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	7.09E-06	0.00E+00	0.00E+00	0.00E+00
1042	381928.81	3737907.12	6.60E-05	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	6.76E-06	0.00E+00	0.00E+00	0.00E+00
1043	381948.81	3737907.12	6.30E-05	0.00E+00	0.00E+00	0.00E+00	9.70E-06	0.00E+00	0.00E+00	0.00E+00	6.45E-06	0.00E+00	0.00E+00	0.00E+00
1044	381968.81	3737907.12	6.01E-05	0.00E+00	0.00E+00	0.00E+00	9.27E-06	0.00E+00	0.00E+00	0.00E+00	6.16E-06	0.00E+00	0.00E+00	0.00E+00
1045	381988.81	3737907.12	5.75E-05	0.00E+00	0.00E+00	0.00E+00	8.86E-06	0.00E+00	0.00E+00	0.00E+00	5.89E-06	0.00E+00	0.00E+00	0.00E+00
1046	382008.81	3737907.12	5.49E-05	0.00E+00	0.00E+00	0.00E+00	8.46E-06	0.00E+00	0.00E+00	0.00E+00	5.63E-06	0.00E+00	0.00E+00	0.00E+00
1047	382028.81	3737907.12	5.25E-05	0.00E+00	0.00E+00	0.00E+00	8.09E-06	0.00E+00	0.00E+00	0.00E+00	5.37E-06	0.00E+00	0.00E+00	0.00E+00
1048	382048.81	3737907.12	5.01E-05	0.00E+00	0.00E+00	0.00E+00	7.73E-06	0.00E+00	0.00E+00	0.00E+00	5.13E-06	0.00E+00	0.00E+00	0.00E+00
1049	382068.81	3737907.12	4.82E-05	0.00E+00	0.00E+00	0.00E+00	7.42E-06	0.00E+00	0.00E+00	0.00E+00	4.93E-06	0.00E+00	0.00E+00	0.00E+00
1050	382088.81	3737907.12	4.62E-05	0.00E+00	0.00E+00	0.00E+00	7.12E-06	0.00E+00	0.00E+00	0.00E+00	4.73E-06	0.00E+00	0.00E+00	0.00E+00
1051	382108.81	3737907.12	4.43E-05	0.00E+00	0.00E+00	0.00E+00	6.83E-06	0.00E+00	0.00E+00	0.00E+00	4.54E-06	0.00E+00	0.00E+00	0.00E+00
1052	382128.81	3737907.12	4.25E-05	0.00E+00	0.00E+00	0.00E+00	6.55E-06	0.00E+00	0.00E+00	0.00E+00	4.35E-06	0.00E+00	0.00E+00	0.00E+00
1053	382148.81	3737907.12	4.08E-05	0.00E+00	0.00E+00	0.00E+00	6.29E-06	0.00E+00	0.00E+00	0.00E+00	4.18E-06	0.00E+00	0.00E+00	0.00E+00
1054	382168.81	3737907.12	3.92E-05	0.00E+00	0.00E+00	0.00E+00	6.05E-06	0.00E+00	0.00E+00	0.00E+00	4.02E-06	0.00E+00	0.00E+00	0.00E+00
1055	382188.81	3737907.12	3.77E-05	0.00E+00	0.00E+00	0.00E+00	5.82E-06	0.00E+00	0.00E+00	0.00E+00	3.87E-06	0.00E+00	0.00E+00	0.00E+00
1056	382208.81	3737907.12	3.63E-05	0.00E+00	0.00E+00	0.00E+00	5.60E-06	0.00E+00	0.00E+00	0.00E+00	3.72E-06	0.00E+00	0.00E+00	0.00E+00
1057	382228.81	3737907.12	3.50E-05	0.00E+00	0.00E+00	0.00E+00	5.40E-06	0.00E+00	0.00E+00	0.00E+00	3.59E-06	0.00E+00	0.00E+00	0.00E+00
1058	382248.81	3737907.12	3.38E-05	0.00E+00	0.00E+00	0.00E+00	5.20E-06	0.00E+00	0.00E+00	0.00E+00	3.46E-06	0.00E+00	0.00E+00	0.00E+00
1059	382268.81	3737907.12	3.26E-05	0.00E+00	0.00E+00	0.00E+00	5.02E-06	0.00E+00	0.00E+00	0.00E+00	3.33E-06	0.00E+00	0.00E+00	0.00E+00
1060	382288.81	3737907.12	3.14E-05	0.00E+00	0.00E+00	0.00E+00	4.84E-06	0.00E+00	0.00E+00	0.00E+00	3.22E-06	0.00E+00	0.00E+00	0.00E+00
1061	382308.81	3737907.12	3.03E-05	0.00E+00	0.00E+00	0.00E+00	4.68E-06	0.00E+00	0.00E+00	0.00E+00	3.11E-06	0.00E+00	0.00E+00	0.00E+00
1062	382328.81	3737907.12	2.93E-05	0.00E+00	0.00E+00	0.00E+00	4.52E-06	0.00E+00	0.00E+00	0.00E+00	3.00E-06	0.00E+00	0.00E+00	0.00E+00
1063	382348.81	3737907.12	2.83E-05	0.00E+00	0.00E+00	0.00E+00	4.37E-06	0.00E+00	0.00E+00	0.00E+00	2.90E-06	0.00E+00	0.00E+00	0.00E+00
1064	381608.81	3737927.42	1.33E-04	0.00E+00	0.00E+00	0.00E+00	2.05E-05	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00
1065	381628.81	3737927.42	1.29E-04	0.00E+00	0.00E+00	0.00E+00	1.98E-05	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00
1066	381648.81	3737927.42	1.24E-04	0.00E+00	0.00E+00	0.00E+00	1.91E-05	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00
1067	381668.81	3737927.42	1.19E-04	0.00E+00	0.00E+00	0.00E+00	1.83E-05	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00
1068	381688.81	3737927.42	1.14E-04	0.00E+00	0.00E+00	0.00E+00	1.76E-05	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00
1069	381708.81	3737927.42	1.09E-04	0.00E+00	0.00E+00	0.00E+00	1.68E-05	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00
1070	381728.81	3737927.42	1.04E-04	0.00E+00	0.00E+00	0.00E+00	1.60E-05	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00
1071	381748.81	3737927.42	9.94E-05	0.00E+00	0.00E+00	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00
1072	381768.81	3737927.42	9.55E-05	0.00E+00	0.00E+00	0.00E+00	1.47E-05	0.00E+00	0.00E+00	0.00E+00	9.78E-06	0.00E+00	0.00E+00	0.00E+00
1073	381788.81	3737927.42	9.14E-05	0.00E+00	0.00E+00	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	9.37E-06	0.00E+00	0.00E+00	0.00E+00
1074	381808.81	3737927.42	8.73E-05	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	8.94E-06	0.00E+00	0.00E+00	0.00E+00
1075	381828.81	3737927.42	8.33E-05	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	8.53E-06	0.00E+00	0.00E+00	0.00E+00
1076	381848.81	3737927.42	7.95E-05	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	8.14E-06	0.00E+00	0.00E+00	0.00E+00

1077	381868.81	3737927.42	7.58E-05	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	7.77E-06	0.00E+00	0.00E+00	0.00E+00
1078	381888.81	3737927.42	7.23E-05	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	7.41E-06	0.00E+00	0.00E+00	0.00E+00
1079	381908.81	3737927.42	6.90E-05	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	7.07E-06	0.00E+00	0.00E+00	0.00E+00
1080	381928.81	3737927.42	6.58E-05	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	6.74E-06	0.00E+00	0.00E+00	0.00E+00
1081	381948.81	3737927.42	6.28E-05	0.00E+00	0.00E+00	0.00E+00	9.68E-06	0.00E+00	0.00E+00	0.00E+00	6.44E-06	0.00E+00	0.00E+00	0.00E+00
1082	381968.81	3737927.42	6.00E-05	0.00E+00	0.00E+00	0.00E+00	9.25E-06	0.00E+00	0.00E+00	0.00E+00	6.15E-06	0.00E+00	0.00E+00	0.00E+00
1083	381988.81	3737927.42	5.74E-05	0.00E+00	0.00E+00	0.00E+00	8.85E-06	0.00E+00	0.00E+00	0.00E+00	5.88E-06	0.00E+00	0.00E+00	0.00E+00
1084	382008.81	3737927.42	5.48E-05	0.00E+00	0.00E+00	0.00E+00	8.45E-06	0.00E+00	0.00E+00	0.00E+00	5.62E-06	0.00E+00	0.00E+00	0.00E+00
1085	382028.81	3737927.42	5.24E-05	0.00E+00	0.00E+00	0.00E+00	8.07E-06	0.00E+00	0.00E+00	0.00E+00	5.37E-06	0.00E+00	0.00E+00	0.00E+00
1086	382048.81	3737927.42	5.00E-05	0.00E+00	0.00E+00	0.00E+00	7.70E-06	0.00E+00	0.00E+00	0.00E+00	5.12E-06	0.00E+00	0.00E+00	0.00E+00
1087	382068.81	3737927.42	4.82E-05	0.00E+00	0.00E+00	0.00E+00	7.42E-06	0.00E+00	0.00E+00	0.00E+00	4.93E-06	0.00E+00	0.00E+00	0.00E+00
1088	382088.81	3737927.42	4.62E-05	0.00E+00	0.00E+00	0.00E+00	7.12E-06	0.00E+00	0.00E+00	0.00E+00	4.73E-06	0.00E+00	0.00E+00	0.00E+00
1089	382108.81	3737927.42	4.43E-05	0.00E+00	0.00E+00	0.00E+00	6.83E-06	0.00E+00	0.00E+00	0.00E+00	4.54E-06	0.00E+00	0.00E+00	0.00E+00
1090	382128.81	3737927.42	4.25E-05	0.00E+00	0.00E+00	0.00E+00	6.56E-06	0.00E+00	0.00E+00	0.00E+00	4.36E-06	0.00E+00	0.00E+00	0.00E+00
1091	382148.81	3737927.42	4.09E-05	0.00E+00	0.00E+00	0.00E+00	6.30E-06	0.00E+00	0.00E+00	0.00E+00	4.19E-06	0.00E+00	0.00E+00	0.00E+00
1092	382168.81	3737927.42	3.93E-05	0.00E+00	0.00E+00	0.00E+00	6.06E-06	0.00E+00	0.00E+00	0.00E+00	4.03E-06	0.00E+00	0.00E+00	0.00E+00
1093	382188.81	3737927.42	3.78E-05	0.00E+00	0.00E+00	0.00E+00	5.83E-06	0.00E+00	0.00E+00	0.00E+00	3.87E-06	0.00E+00	0.00E+00	0.00E+00
1094	382208.81	3737927.42	3.64E-05	0.00E+00	0.00E+00	0.00E+00	5.61E-06	0.00E+00	0.00E+00	0.00E+00	3.73E-06	0.00E+00	0.00E+00	0.00E+00
1095	382228.81	3737927.42	3.51E-05	0.00E+00	0.00E+00	0.00E+00	5.40E-06	0.00E+00	0.00E+00	0.00E+00	3.59E-06	0.00E+00	0.00E+00	0.00E+00
1096	382248.81	3737927.42	3.38E-05	0.00E+00	0.00E+00	0.00E+00	5.21E-06	0.00E+00	0.00E+00	0.00E+00	3.46E-06	0.00E+00	0.00E+00	0.00E+00
1097	382268.81	3737927.42	3.26E-05	0.00E+00	0.00E+00	0.00E+00	5.03E-06	0.00E+00	0.00E+00	0.00E+00	3.34E-06	0.00E+00	0.00E+00	0.00E+00
1098	381588.81	3737947.72	1.35E-04	0.00E+00	0.00E+00	0.00E+00	2.08E-05	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00
1099	381608.81	3737947.72	1.31E-04	0.00E+00	0.00E+00	0.00E+00	2.01E-05	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00
1100	381628.81	3737947.72	1.26E-04	0.00E+00	0.00E+00	0.00E+00	1.94E-05	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00
1101	381648.81	3737947.72	1.22E-04	0.00E+00	0.00E+00	0.00E+00	1.88E-05	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00
1102	381668.81	3737947.72	1.17E-04	0.00E+00	0.00E+00	0.00E+00	1.81E-05	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00
1103	381688.81	3737947.72	1.13E-04	0.00E+00	0.00E+00	0.00E+00	1.73E-05	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00
1104	381708.81	3737947.72	1.08E-04	0.00E+00	0.00E+00	0.00E+00	1.66E-05	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00
1105	381728.81	3737947.72	1.03E-04	0.00E+00	0.00E+00	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00
1106	381748.81	3737947.72	9.85E-05	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00
1107	381768.81	3737947.72	9.46E-05	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	9.69E-06	0.00E+00	0.00E+00	0.00E+00
1108	381788.81	3737947.72	9.06E-05	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	9.28E-06	0.00E+00	0.00E+00	0.00E+00
1109	381808.81	3737947.72	8.66E-05	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	8.87E-06	0.00E+00	0.00E+00	0.00E+00
1110	381828.81	3737947.72	8.27E-05	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	8.47E-06	0.00E+00	0.00E+00	0.00E+00
1111	381848.81	3737947.72	7.90E-05	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	8.09E-06	0.00E+00	0.00E+00	0.00E+00
1112	381868.81	3737947.72	7.54E-05	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	7.72E-06	0.00E+00	0.00E+00	0.00E+00
1113	381888.81	3737947.72	7.20E-05	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	7.37E-06	0.00E+00	0.00E+00	0.00E+00
1114	381908.81	3737947.72	6.87E-05	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	7.04E-06	0.00E+00	0.00E+00	0.00E+00
1115	381928.81	3737947.72	6.56E-05	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	6.72E-06	0.00E+00	0.00E+00	0.00E+00
1116	381948.81	3737947.72	6.27E-05	0.00E+00	0.00E+00	0.00E+00	9.66E-06	0.00E+00	0.00E+00	0.00E+00	6.42E-06	0.00E+00	0.00E+00	0.00E+00
1117	381968.81	3737947.72	5.99E-05	0.00E+00	0.00E+00	0.00E+00	9.23E-06	0.00E+00	0.00E+00	0.00E+00	6.14E-06	0.00E+00	0.00E+00	0.00E+00
1118	381988.81	3737947.72	5.73E-05	0.00E+00	0.00E+00	0.00E+00	8.83E-06	0.00E+00	0.00E+00	0.00E+00	5.87E-06	0.00E+00	0.00E+00	0.00E+00
1119	382008.81	3737947.72	5.48E-05	0.00E+00	0.00E+00	0.00E+00	8.44E-06	0.00E+00	0.00E+00	0.00E+00	5.61E-06	0.00E+00	0.00E+00	0.00E+00
1120	382028.81	3737947.72	5.24E-05	0.00E+00	0.00E+00	0.00E+00	8.07E-06	0.00E+00	0.00E+00	0.00E+00	5.36E-06	0.00E+00	0.00E+00	0.00E+00
1121	382048.81	3737947.72	4.99E-05	0.00E+00	0.00E+00	0.00E+00	7.69E-06	0.00E+00	0.00E+00	0.00E+00	5.11E-06	0.00E+00	0.00E+00	0.00E+00
1122	382068.81	3737947.72	4.80E-05	0.00E+00	0.00E+00	0.00E+00	7.40E-06	0.00E+00	0.00E+00	0.00E+00	4.92E-06	0.00E+00	0.00E+00	0.00E+00
1123	382088.81	3737947.72	4.62E-05	0.00E+00	0.00E+00	0.00E+00	7.12E-06	0.00E+00	0.00E+00	0.00E+00	4.73E-06	0.00E+00	0.00E+00	0.00E+00
1124	382108.81	3737947.72	4.43E-05	0.00E+00	0.00E+00	0.00E+00	6.83E-06	0.00E+00	0.00E+00	0.00E+00	4.54E-06	0.00E+00	0.00E+00	0.00E+00
1125	382128.81	3737947.72	4.26E-05	0.00E+00	0.00E+00	0.00E+00	6.56E-06	0.00E+00	0.00E+00	0.00E+00	4.36E-06	0.00E+00	0.00E+00	0.00E+00
1126	382148.81	3737947.72	4.09E-05	0.00E+00	0.00E+00	0.00E+00	6.30E-06	0.00E+00	0.00E+00	0.00E+00	4.19E-06	0.00E+00	0.00E+00	0.00E+00
1127	382168.81	3737947.72	3.93E-05	0.00E+00	0.00E+00	0.00E+00	6.06E-06	0.00E+00	0.00E+00	0.00E+00	4.03E-06	0.00E+00	0.00E+00	0.00E+00
1128	382188.81	3737947.72	3.79E-05	0.00E+00	0.00E+00	0.00E+00	5.83E-06	0.00E+00	0.00E+00	0.00E+00	3.88E-06	0.00E+00	0.00E+00	0.00E+00
1129	381328.81	3737968.02	1.55E-04	0.00E+00	0.00E+00	0.00E+00	2.39E-05	0.00E+00	0.00E+00	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00
1130	381348.81	3737968.02	1.56E-04	0.00E+00	0.00E+00	0.00E+00	2.40E-05	0.00E+00	0.00E+00	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00
1131	381368.81	3737968.02	1.56E-04	0.00E+00	0.00E+00	0.00E+00	2.40E-05	0.00E+00	0.00E+00	0.00E+00	1.60E-05	0.00E+00	0.00E+00	0.00E+00
1132	381388.81	3737968.02	1.56E-04	0.00E+00	0.00E+00	0.00E+00	2.40E-05	0.00E+00	0.00E+00	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00
1133	381408.81	3737968.02	1.54E-04	0.00E+00	0.00E+00	0.00E+00	2.38E-05	0.00E+00	0.00E+00	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00
1134	381428.81	3737968.02	1.53E-04	0.00E+00	0.00E+00	0.00E+00	2.36E-05	0.00E+00	0.00E+00	0.00E+00	1.57E-05	0.00E+00	0.00E+00	0.00E+00
1135	381588.81	3737968.02	1.32E-04	0.00E+00	0.00E+00	0.00E+00	2.03E-05	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00
1136	381608.81	3737968.02	1.28E-04	0.00E+00	0.00E+00	0.00E+00	1.97E-05	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00
1137	381628.81	3737968.02	1.24E-04	0.00E+00	0.00E+00	0.00E+00	1.91E-05	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00
1138	381648.81	3737968.02	1.20E-04	0.00E+00	0.00E+00	0.00E+00	1.84E-05	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00
1139	381668.81	3737968.02	1.15E-04	0.00E+00	0.00E+00	0.00E+00	1.78E-05	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00
1140	381688.81	3737968.02	1.11E-04	0.00E+00	0.00E+00	0.00E+00	1.71E-05	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00
1141	381708.81	3737968.02	1.07E-04	0.00E+00	0.00E+00	0.00E+00	1.64E-05	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00
1142	381728.81	3737968.02	1.02E-04	0.00E+00	0.00E+00	0.00E+00	1.57E-05	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00
1143	381748.81	3737968.02	9.79E-05	0.00E+00	0.00E+00	0.00E+00	1.51E-05	0.00E+00	0.00E+00	0.00E+00	1.00E-05	0.00E+00	0.00E+00	0.00E+00
1144	381768.81	3737968.02	9.38E-05	0.00E+00	0.00E+00	0.00E+00	1.45E-05	0.00E+00	0.00E+00	0.00E+00	9.61E-06	0.00E+00	0.00E+00	0.00E+00
1145	381788.81	3737968.02	8.98E-05	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	9.20E-06	0.00E+00	0.00E+00	0.00E+00
1146	381808.81	3737968.02	8.59E-05	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	8.80E-06	0.00E+00	0.00E+00	0.00E+00
1147	381828.81	3737968.02	8.21E-05	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	8.41E-06	0.00E+00	0.00E+00	0.00E+00
1148	381848.81	3737968.02	7.85E-05	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	8.04E-06	0.00E+00	0.00E+00	0.00E+00
1149	381868.81	3737968.02	7.50E-05	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	7.68E-06	0.00E+00	0.00E+00	0.00E+00
1150	381888.81	3737968.02	7.16E-05	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	7.34E-06	0.00E+00	0.00E+00	0.00E+00
1151	381908.81	3737968.02	6.84E-05	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	7.01E-06	0.00E+00	0.00E+00	0.00E+00
1152	381928.81	3737968.02	6.54E-05	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	6.70E-06	0.00E+00	0.00E+00	0.00E+00
1153	381948.81	3737968.02	6.25E-05	0.00E+00	0.00E+00	0.00E+00	9.63E-06	0.00E+00	0.00E+00	0.00E+00	6.40E-06	0.00E+00	0.00E+00	0.00E+00
1154	381968.81	3737968.02	5.97E-05	0.00E+00	0.00E+00	0.00E+00	9.21E-06	0.00E+00	0.00E+00	0.00E+00	6.12E-06	0.00E+00	0.00E+00	0.00E+00
1155	381988.81	3737968.02	5.72E-05	0.00E+00	0.00E+00	0.00E+00	8.81E-06	0.00E+00	0.00E+00	0.00E+00	5.86E-06	0.00E+00	0.00E+00	0.00E+00
1156	382008.81	3737968.02	5.47E-05	0.00E+00	0.00E+00	0.00E+00	8.43E-06	0.00E+00	0.00E+00	0.00E+00	5.60E-06	0.00E+00	0.00E+00	0.00E+00
1157	382028.81	3737968.02	5.24E-05	0.00E+00	0.00E+00	0.00E+00	8.07E-06	0.00E+00	0.00E+00	0.00E+00	5.36E-06	0.00E+00	0.00E+00	0.00E+00
1158	382048.81	3737968.02	4.99E-05	0.00E+00	0.00E+00	0.00E+00	7.68E-06	0.00E+00	0.00E+00	0.00E+00	5.11E-06	0.00E+00	0.00E+00	0.00E+00
1159	382068.81	3737968.02	4.78E-05	0.00E+00	0.00E+00	0.00E+00	7.37E-06	0.00E+00	0.00E+00	0.00E+00	4.90E-06	0.00E+00	0.00E+00	0.00E+00
1160	382088.81	3737968.02	4.60E-05	0.00E+00	0.00E+00	0.00E+00	7.08E-06	0.00E+00	0.00E+00	0.00E+00	4.71E-06	0.00E+00	0.00E+00	0.00E+00
1161	382108.81	3737968.02	4.43E-05	0.00E+00	0.00E+00	0.00E+00	6.83E-06	0.00E+00	0.00E+00	0.00E+00	4.54E-06	0.00E+00	0.00E+00	0.00E+00
1162	382128.81	3737968.02	4.26E-05	0.00E+00	0.00E+00	0.00E+00	6.56E-06	0.00E+00	0.00E+00	0.00E+00	4.36E-06	0.00E+00	0.00E+00	0.00E+00
1163	381328.81	3737988.32	1.51E-04	0.00E+00	0.00E+00	0.00E+00	2.32E-05	0.00E+00	0.00E+00	0.00E+00	1.54E-05	0.00E+00	0.00E+00	0.00E+00
1164	381348.81	3737988.32	1.51E-04	0.00E+00	0.00E+00	0.00E+00	2.33E-05	0.00E+00	0.00E+00	0.00E+00	1.55E-05	0.00E+00	0.00E+00	0.00E+00
1165	381368.81	3737988.32	1.51E-04	0.00E+00	0.00E+00	0.00E+00	2.33E-05	0.00E+00	0.00E+00	0.00E+00	1.55E-05	0.00E+00	0.00E+00	0.00E+00
1166	381388.81	3737988.32	1.51E-04	0.00E+00	0.00E+00	0.00E+00	2.33E-05	0.00E+00	0.00E+00	0.00E+00	1.55E-05	0.00E+00	0.00E+00	0.00E+00

1167	381408.81	3737988.32	1.50E-04	0.00E+00	0.00E+00	0.00E+00	2.31E-05	0.00E+00	0.00E+00	0.00E+00	1.54E-05	0.00E+00	0.00E+00	0.00E+00
1168	381428.81	3737988.32	1.49E-04	0.00E+00	0.00E+00	0.00E+00	2.30E-05	0.00E+00	0.00E+00	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00
1169	381588.81	3737988.32	1.29E-04	0.00E+00	0.00E+00	0.00E+00	1.99E-05	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00
1170	381608.81	3737988.32	1.25E-04	0.00E+00	0.00E+00	0.00E+00	1.93E-05	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00
1171	381628.81	3737988.32	1.21E-04	0.00E+00	0.00E+00	0.00E+00	1.87E-05	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00
1172	381648.81	3737988.32	1.17E-04	0.00E+00	0.00E+00	0.00E+00	1.80E-05	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00
1173	381668.81	3737988.32	1.13E-04	0.00E+00	0.00E+00	0.00E+00	1.74E-05	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00
1174	381688.81	3737988.32	1.09E-04	0.00E+00	0.00E+00	0.00E+00	1.68E-05	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00
1175	381708.81	3737988.32	1.05E-04	0.00E+00	0.00E+00	0.00E+00	1.61E-05	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00
1176	381728.81	3737988.32	1.01E-04	0.00E+00	0.00E+00	0.00E+00	1.55E-05	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00
1177	381748.81	3737988.32	9.68E-05	0.00E+00	0.00E+00	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	9.92E-06	0.00E+00	0.00E+00	0.00E+00
1178	381768.81	3737988.32	9.28E-05	0.00E+00	0.00E+00	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	9.51E-06	0.00E+00	0.00E+00	0.00E+00
1179	381788.81	3737988.32	8.89E-05	0.00E+00	0.00E+00	0.00E+00	1.37E-05	0.00E+00	0.00E+00	0.00E+00	9.11E-06	0.00E+00	0.00E+00	0.00E+00
1180	381808.81	3737988.32	8.51E-05	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	8.72E-06	0.00E+00	0.00E+00	0.00E+00
1181	381828.81	3737988.32	8.15E-05	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	8.34E-06	0.00E+00	0.00E+00	0.00E+00
1182	381848.81	3737988.32	7.79E-05	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	7.98E-06	0.00E+00	0.00E+00	0.00E+00
1183	381868.81	3737988.32	7.45E-05	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	7.63E-06	0.00E+00	0.00E+00	0.00E+00
1184	381888.81	3737988.32	7.13E-05	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	7.30E-06	0.00E+00	0.00E+00	0.00E+00
1185	381908.81	3737988.32	6.82E-05	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	6.98E-06	0.00E+00	0.00E+00	0.00E+00
1186	381928.81	3737988.32	6.52E-05	0.00E+00	0.00E+00	0.00E+00	1.00E-05	0.00E+00	0.00E+00	0.00E+00	6.67E-06	0.00E+00	0.00E+00	0.00E+00
1187	381948.81	3737988.32	6.23E-05	0.00E+00	0.00E+00	0.00E+00	9.60E-06	0.00E+00	0.00E+00	0.00E+00	6.38E-06	0.00E+00	0.00E+00	0.00E+00
1188	381968.81	3737988.32	5.96E-05	0.00E+00	0.00E+00	0.00E+00	9.19E-06	0.00E+00	0.00E+00	0.00E+00	6.11E-06	0.00E+00	0.00E+00	0.00E+00
1189	381988.81	3737988.32	5.70E-05	0.00E+00	0.00E+00	0.00E+00	8.79E-06	0.00E+00	0.00E+00	0.00E+00	5.84E-06	0.00E+00	0.00E+00	0.00E+00
1190	382008.81	3737988.32	5.46E-05	0.00E+00	0.00E+00	0.00E+00	8.42E-06	0.00E+00	0.00E+00	0.00E+00	5.59E-06	0.00E+00	0.00E+00	0.00E+00
1191	382028.81	3737988.32	5.23E-05	0.00E+00	0.00E+00	0.00E+00	8.06E-06	0.00E+00	0.00E+00	0.00E+00	5.36E-06	0.00E+00	0.00E+00	0.00E+00
1192	382048.81	3737988.32	5.00E-05	0.00E+00	0.00E+00	0.00E+00	7.71E-06	0.00E+00	0.00E+00	0.00E+00	5.12E-06	0.00E+00	0.00E+00	0.00E+00
1193	381328.81	3738008.62	1.46E-04	0.00E+00	0.00E+00	0.00E+00	2.26E-05	0.00E+00	0.00E+00	0.00E+00	1.50E-05	0.00E+00	0.00E+00	0.00E+00
1194	381348.81	3738008.62	1.47E-04	0.00E+00	0.00E+00	0.00E+00	2.27E-05	0.00E+00	0.00E+00	0.00E+00	1.51E-05	0.00E+00	0.00E+00	0.00E+00
1195	381368.81	3738008.62	1.47E-04	0.00E+00	0.00E+00	0.00E+00	2.27E-05	0.00E+00	0.00E+00	0.00E+00	1.51E-05	0.00E+00	0.00E+00	0.00E+00
1196	381388.81	3738008.62	1.47E-04	0.00E+00	0.00E+00	0.00E+00	2.26E-05	0.00E+00	0.00E+00	0.00E+00	1.50E-05	0.00E+00	0.00E+00	0.00E+00
1197	381408.81	3738008.62	1.46E-04	0.00E+00	0.00E+00	0.00E+00	2.25E-05	0.00E+00	0.00E+00	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00
1198	381428.81	3738008.62	1.45E-04	0.00E+00	0.00E+00	0.00E+00	2.24E-05	0.00E+00	0.00E+00	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00
1199	381568.81	3738008.62	1.30E-04	0.00E+00	0.00E+00	0.00E+00	2.00E-05	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00
1200	381588.81	3738008.62	1.26E-04	0.00E+00	0.00E+00	0.00E+00	1.94E-05	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00
1201	381608.81	3738008.62	1.22E-04	0.00E+00	0.00E+00	0.00E+00	1.88E-05	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00
1202	381628.81	3738008.62	1.18E-04	0.00E+00	0.00E+00	0.00E+00	1.82E-05	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00
1203	381648.81	3738008.62	1.14E-04	0.00E+00	0.00E+00	0.00E+00	1.76E-05	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00
1204	381668.81	3738008.62	1.10E-04	0.00E+00	0.00E+00	0.00E+00	1.70E-05	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00
1205	381688.81	3738008.62	1.06E-04	0.00E+00	0.00E+00	0.00E+00	1.64E-05	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00
1206	381708.81	3738008.62	1.03E-04	0.00E+00	0.00E+00	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00
1207	381728.81	3738008.62	9.90E-05	0.00E+00	0.00E+00	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00
1208	381748.81	3738008.62	9.56E-05	0.00E+00	0.00E+00	0.00E+00	1.47E-05	0.00E+00	0.00E+00	0.00E+00	9.79E-06	0.00E+00	0.00E+00	0.00E+00
1209	381768.81	3738008.62	9.18E-05	0.00E+00	0.00E+00	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00	9.41E-06	0.00E+00	0.00E+00	0.00E+00
1210	381788.81	3738008.62	8.81E-05	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	9.02E-06	0.00E+00	0.00E+00	0.00E+00
1211	381808.81	3738008.62	8.44E-05	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	8.64E-06	0.00E+00	0.00E+00	0.00E+00
1212	381828.81	3738008.62	8.08E-05	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	8.28E-06	0.00E+00	0.00E+00	0.00E+00
1213	381848.81	3738008.62	7.74E-05	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	7.92E-06	0.00E+00	0.00E+00	0.00E+00
1214	381868.81	3738008.62	7.41E-05	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	7.59E-06	0.00E+00	0.00E+00	0.00E+00
1215	381888.81	3738008.62	7.09E-05	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	7.26E-06	0.00E+00	0.00E+00	0.00E+00
1216	381908.81	3738008.62	6.78E-05	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	6.95E-06	0.00E+00	0.00E+00	0.00E+00
1217	381928.81	3738008.62	6.49E-05	0.00E+00	0.00E+00	0.00E+00	1.00E-05	0.00E+00	0.00E+00	0.00E+00	6.65E-06	0.00E+00	0.00E+00	0.00E+00
1218	381948.81	3738008.62	6.21E-05	0.00E+00	0.00E+00	0.00E+00	9.57E-06	0.00E+00	0.00E+00	0.00E+00	6.36E-06	0.00E+00	0.00E+00	0.00E+00
1219	381968.81	3738008.62	5.95E-05	0.00E+00	0.00E+00	0.00E+00	9.16E-06	0.00E+00	0.00E+00	0.00E+00	6.09E-06	0.00E+00	0.00E+00	0.00E+00
1220	381328.81	3738028.92	1.42E-04	0.00E+00	0.00E+00	0.00E+00	2.20E-05	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00
1221	381348.81	3738028.92	1.43E-04	0.00E+00	0.00E+00	0.00E+00	2.20E-05	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00
1222	381368.81	3738028.92	1.43E-04	0.00E+00	0.00E+00	0.00E+00	2.21E-05	0.00E+00	0.00E+00	0.00E+00	1.47E-05	0.00E+00	0.00E+00	0.00E+00
1223	381388.81	3738028.92	1.43E-04	0.00E+00	0.00E+00	0.00E+00	2.20E-05	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00
1224	381408.81	3738028.92	1.42E-04	0.00E+00	0.00E+00	0.00E+00	2.19E-05	0.00E+00	0.00E+00	0.00E+00	1.45E-05	0.00E+00	0.00E+00	0.00E+00
1225	381428.81	3738028.92	1.41E-04	0.00E+00	0.00E+00	0.00E+00	2.18E-05	0.00E+00	0.00E+00	0.00E+00	1.45E-05	0.00E+00	0.00E+00	0.00E+00
1226	381568.81	3738028.92	1.27E-04	0.00E+00	0.00E+00	0.00E+00	1.96E-05	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00
1227	381588.81	3738028.92	1.24E-04	0.00E+00	0.00E+00	0.00E+00	1.91E-05	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00
1228	381608.81	3738028.92	1.20E-04	0.00E+00	0.00E+00	0.00E+00	1.84E-05	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00
1229	381628.81	3738028.92	1.16E-04	0.00E+00	0.00E+00	0.00E+00	1.78E-05	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00
1230	381648.81	3738028.92	1.12E-04	0.00E+00	0.00E+00	0.00E+00	1.73E-05	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00
1231	381668.81	3738028.92	1.08E-04	0.00E+00	0.00E+00	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00
1232	381688.81	3738028.92	1.04E-04	0.00E+00	0.00E+00	0.00E+00	1.61E-05	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00
1233	381708.81	3738028.92	1.01E-04	0.00E+00	0.00E+00	0.00E+00	1.55E-05	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00
1234	381728.81	3738028.92	9.74E-05	0.00E+00	0.00E+00	0.00E+00	1.50E-05	0.00E+00	0.00E+00	0.00E+00	9.97E-06	0.00E+00	0.00E+00	0.00E+00
1235	381748.81	3738028.92	9.42E-05	0.00E+00	0.00E+00	0.00E+00	1.45E-05	0.00E+00	0.00E+00	0.00E+00	9.65E-06	0.00E+00	0.00E+00	0.00E+00
1236	381768.81	3738028.92	9.08E-05	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	9.30E-06	0.00E+00	0.00E+00	0.00E+00
1237	381788.81	3738028.92	8.72E-05	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	8.93E-06	0.00E+00	0.00E+00	0.00E+00
1238	381808.81	3738028.92	8.36E-05	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	8.57E-06	0.00E+00	0.00E+00	0.00E+00
1239	381828.81	3738028.92	8.02E-05	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	8.21E-06	0.00E+00	0.00E+00	0.00E+00
1240	381848.81	3738028.92	7.68E-05	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	7.87E-06	0.00E+00	0.00E+00	0.00E+00
1241	381868.81	3738028.92	7.36E-05	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	7.54E-06	0.00E+00	0.00E+00	0.00E+00
1242	381888.81	3738028.92	7.05E-05	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	7.22E-06	0.00E+00	0.00E+00	0.00E+00
1243	381908.81	3738028.92	6.75E-05	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	6.91E-06	0.00E+00	0.00E+00	0.00E+00
1244	381328.81	3738049.22	1.39E-04	0.00E+00	0.00E+00	0.00E+00	2.14E-05	0.00E+00	0.00E+00	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00
1245	381348.81	3738049.22	1.39E-04	0.00E+00	0.00E+00	0.00E+00	2.14E-05	0.00E+00	0.00E+00	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00
1246	381368.81	3738049.22	1.39E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	0.00E+00	0.00E+00	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00
1247	381388.81	3738049.22	1.39E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	0.00E+00	0.00E+00	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00
1248	381408.81	3738049.22	1.39E-04	0.00E+00	0.00E+00	0.00E+00	2.14E-05	0.00E+00	0.00E+00	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00
1249	381428.81	3738049.22	1.38E-04	0.00E+00	0.00E+00	0.00E+00	2.13E-05	0.00E+00	0.00E+00	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00
1250	381548.81	3738049.22	1.27E-04	0.00E+00	0.00E+00	0.00E+00	1.96E-05	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00
1251	381568.81	3738049.22	1.25E-04	0.00E+00	0.00E+00	0.00E+00	1.92E-05	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00
1252	381588.81	3738049.22	1.21E-04	0.00E+00	0.00E+00	0.00E+00	1.87E-05	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00
1253	381608.81	3738049.22	1.18E-04	0.00E+00	0.00E+00	0.00E+00	1.81E-05	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00
1254	381628.81	3738049.22	1.14E-04	0.00E+00	0.00E+00	0.00E+00	1.76E-05	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00
1255	381648.81	3738049.22	1.11E-04	0.00E+00	0.00E+00	0.00E+00	1.70E-05	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00
1256	381668.81	3738049.22	1.07E-04	0.00E+00	0.00E+00	0.00E+00	1.65E-05	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00

1257	381688.81	3738049.22	1.03E-04	0.00E+00	0.00E+00	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00
1258	381708.81	3738049.22	9.93E-05	0.00E+00	0.00E+00	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00
1259	381728.81	3738049.22	9.57E-05	0.00E+00	0.00E+00	0.00E+00	1.47E-05	0.00E+00	0.00E+00	0.00E+00	9.80E-06	0.00E+00	0.00E+00	0.00E+00
1260	381748.81	3738049.22	9.22E-05	0.00E+00	0.00E+00	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00	9.44E-06	0.00E+00	0.00E+00	0.00E+00
1261	381768.81	3738049.22	8.88E-05	0.00E+00	0.00E+00	0.00E+00	1.37E-05	0.00E+00	0.00E+00	0.00E+00	9.10E-06	0.00E+00	0.00E+00	0.00E+00
1262	381788.81	3738049.22	8.56E-05	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	8.77E-06	0.00E+00	0.00E+00	0.00E+00
1263	381808.81	3738049.22	8.27E-05	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	8.47E-06	0.00E+00	0.00E+00	0.00E+00
1264	381828.81	3738049.22	7.95E-05	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	8.15E-06	0.00E+00	0.00E+00	0.00E+00
1265	381328.81	3738069.52	1.35E-04	0.00E+00	0.00E+00	0.00E+00	2.08E-05	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00
1266	381348.81	3738069.52	1.35E-04	0.00E+00	0.00E+00	0.00E+00	2.09E-05	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00
1267	381368.81	3738069.52	1.36E-04	0.00E+00	0.00E+00	0.00E+00	2.09E-05	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00
1268	381388.81	3738069.52	1.36E-04	0.00E+00	0.00E+00	0.00E+00	2.09E-05	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00
1269	381408.81	3738069.52	1.35E-04	0.00E+00	0.00E+00	0.00E+00	2.08E-05	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00
1270	381428.81	3738069.52	1.34E-04	0.00E+00	0.00E+00	0.00E+00	2.07E-05	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00
1271	381548.81	3738069.52	1.25E-04	0.00E+00	0.00E+00	0.00E+00	1.92E-05	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00
1272	381568.81	3738069.52	1.22E-04	0.00E+00	0.00E+00	0.00E+00	1.88E-05	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00
1273	381588.81	3738069.52	1.18E-04	0.00E+00	0.00E+00	0.00E+00	1.83E-05	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00
1274	381608.81	3738069.52	1.15E-04	0.00E+00	0.00E+00	0.00E+00	1.77E-05	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00
1275	381628.81	3738069.52	1.12E-04	0.00E+00	0.00E+00	0.00E+00	1.73E-05	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00
1276	381648.81	3738069.52	1.09E-04	0.00E+00	0.00E+00	0.00E+00	1.68E-05	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00
1277	381668.81	3738069.52	1.05E-04	0.00E+00	0.00E+00	0.00E+00	1.63E-05	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00
1278	381688.81	3738069.52	1.02E-04	0.00E+00	0.00E+00	0.00E+00	1.57E-05	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00
1279	381708.81	3738069.52	9.79E-05	0.00E+00	0.00E+00	0.00E+00	1.51E-05	0.00E+00	0.00E+00	0.00E+00	1.00E-05	0.00E+00	0.00E+00	0.00E+00
1280	381728.81	3738069.52	9.42E-05	0.00E+00	0.00E+00	0.00E+00	1.45E-05	0.00E+00	0.00E+00	0.00E+00	9.65E-06	0.00E+00	0.00E+00	0.00E+00
1281	381748.81	3738069.52	9.05E-05	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	9.27E-06	0.00E+00	0.00E+00	0.00E+00
1282	380570.49	3735126.36	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.26E-06	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00
1283	380580.49	3735126.36	1.48E-05	0.00E+00	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00
1284	380590.49	3735126.36	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.30E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
1285	380600.49	3735126.36	1.51E-05	0.00E+00	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
1286	380610.49	3735126.36	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
1287	380620.49	3735126.36	1.53E-05	0.00E+00	0.00E+00	0.00E+00	2.36E-06	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00
1288	380630.49	3735126.36	1.55E-05	0.00E+00	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00
1289	380640.49	3735126.36	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.40E-06	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00
1290	380650.49	3735126.36	1.57E-05	0.00E+00	0.00E+00	0.00E+00	2.42E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
1291	380560.49	3735136.36	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00
1292	380570.49	3735136.36	1.48E-05	0.00E+00	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
1293	380580.49	3735136.36	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.30E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
1294	380590.49	3735136.36	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
1295	380600.49	3735136.36	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.34E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
1296	380610.49	3735136.36	1.53E-05	0.00E+00	0.00E+00	0.00E+00	2.36E-06	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00
1297	380620.49	3735136.36	1.55E-05	0.00E+00	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00
1298	380630.49	3735136.36	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.40E-06	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00
1299	380640.49	3735136.36	1.57E-05	0.00E+00	0.00E+00	0.00E+00	2.42E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
1300	380650.49	3735136.36	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00
1301	380660.49	3735136.36	1.60E-05	0.00E+00	0.00E+00	0.00E+00	2.46E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
1302	380550.49	3735146.36	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
1303	380560.49	3735146.36	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
1304	380570.49	3735146.36	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
1305	380580.49	3735146.36	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
1306	380590.49	3735146.36	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.34E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
1307	380600.49	3735146.36	1.53E-05	0.00E+00	0.00E+00	0.00E+00	2.36E-06	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00
1308	380610.49	3735146.36	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00
1309	380620.49	3735146.36	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.40E-06	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00
1310	380630.49	3735146.36	1.57E-05	0.00E+00	0.00E+00	0.00E+00	2.42E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
1311	380640.49	3735146.36	1.59E-05	0.00E+00	0.00E+00	0.00E+00	2.45E-06	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00
1312	380650.49	3735146.36	1.60E-05	0.00E+00	0.00E+00	0.00E+00	2.46E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
1313	380660.49	3735146.36	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.48E-06	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00
1314	380540.49	3735156.36	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00
1315	380550.49	3735156.36	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
1316	380560.49	3735156.36	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00
1317	380570.49	3735156.36	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
1318	380580.49	3735156.36	1.51E-05	0.00E+00	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
1319	380590.49	3735156.36	1.53E-05	0.00E+00	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
1320	380600.49	3735156.36	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00
1321	380610.49	3735156.36	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.40E-06	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00
1322	380620.49	3735156.36	1.57E-05	0.00E+00	0.00E+00	0.00E+00	2.42E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
1323	380630.49	3735156.36	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00
1324	380640.49	3735156.36	1.60E-05	0.00E+00	0.00E+00	0.00E+00	2.46E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
1325	380650.49	3735156.36	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.48E-06	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00
1326	380660.49	3735156.36	1.62E-05	0.00E+00	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00
1327	380670.49	3735156.36	1.64E-05	0.00E+00	0.00E+00	0.00E+00	2.52E-06	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00
1328	380520.49	3735166.36	1.45E-05	0.00E+00	0.00E+00	0.00E+00	2.24E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
1329	380530.49	3735166.36	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00
1330	380540.49	3735166.36	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
1331	380550.49	3735166.36	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00
1332	380560.49	3735166.36	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
1333	380570.49	3735166.36	1.51E-05	0.00E+00	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
1334	380580.49	3735166.36	1.53E-05	0.00E+00	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
1335	380590.49	3735166.36	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.37E-06	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00
1336	380600.49	3735166.36	1.55E-05	0.00E+00	0.00E+00	0.00E+00	2.39E-06	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00
1337	380610.49	3735166.36	1.57E-05	0.00E+00	0.00E+00	0.00E+00	2.42E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
1338	380620.49	3735166.36	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00
1339	380630.49	3735166.36	1.60E-05	0.00E+00	0.00E+00	0.00E+00	2.46E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
1340	380640.49	3735166.36	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.48E-06	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00
1341	380650.49	3735166.36	1.62E-05	0.00E+00	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00
1342	380660.49	3735166.36	1.64E-05	0.00E+00	0.00E+00	0.00E+00	2.52E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
1343	380670.49	3735166.36	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
1344	380680.49	3735166.36	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
1345	380520.49	3735176.36	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00
1346	380530.49	3735176.36	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00

1347	380540.49	3735176.36	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00
1348	380550.49	3735176.36	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
1349	380560.49	3735176.36	1.51E-05	0.00E+00	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
1350	380570.49	3735176.36	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
1351	380580.49	3735176.36	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.37E-06	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00
1352	380590.49	3735176.36	1.55E-05	0.00E+00	0.00E+00	0.00E+00	2.39E-06	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00
1353	380600.49	3735176.36	1.57E-05	0.00E+00	0.00E+00	0.00E+00	2.41E-06	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00
1354	380610.49	3735176.36	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00
1355	380620.49	3735176.36	1.60E-05	0.00E+00	0.00E+00	0.00E+00	2.46E-06	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00
1356	380630.49	3735176.36	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.48E-06	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00
1357	380640.49	3735176.36	1.62E-05	0.00E+00	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00
1358	380650.49	3735176.36	1.64E-05	0.00E+00	0.00E+00	0.00E+00	2.52E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
1359	380660.49	3735176.36	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
1360	380670.49	3735176.36	1.66E-05	0.00E+00	0.00E+00	0.00E+00	2.56E-06	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00
1361	380680.49	3735176.36	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.59E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
1362	380690.49	3735176.36	1.70E-05	0.00E+00	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
1363	380510.49	3735186.36	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
1364	380520.49	3735186.36	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
1365	380530.49	3735186.36	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00
1366	380540.49	3735186.36	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
1367	380550.49	3735186.36	1.51E-05	0.00E+00	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
1368	380560.49	3735186.36	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
1369	380570.49	3735186.36	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.37E-06	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00
1370	380580.49	3735186.36	1.55E-05	0.00E+00	0.00E+00	0.00E+00	2.39E-06	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00
1371	380590.49	3735186.36	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.41E-06	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00
1372	380600.49	3735186.36	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
1373	380610.49	3735186.36	1.59E-05	0.00E+00	0.00E+00	0.00E+00	2.45E-06	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00
1374	380620.49	3735186.36	1.60E-05	0.00E+00	0.00E+00	0.00E+00	2.47E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
1375	380630.49	3735186.36	1.62E-05	0.00E+00	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00
1376	380640.49	3735186.36	1.63E-05	0.00E+00	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
1377	380650.49	3735186.36	1.64E-05	0.00E+00	0.00E+00	0.00E+00	2.53E-06	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00
1378	380660.49	3735186.36	1.66E-05	0.00E+00	0.00E+00	0.00E+00	2.56E-06	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00
1379	380670.49	3735186.36	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.58E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
1380	380680.49	3735186.36	1.69E-05	0.00E+00	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00
1381	380690.49	3735186.36	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.63E-06	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00
1382	380500.49	3735196.36	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
1383	380510.49	3735196.36	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
1384	380520.49	3735196.36	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00
1385	380530.49	3735196.36	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
1386	380540.49	3735196.36	1.51E-05	0.00E+00	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
1387	380550.49	3735196.36	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
1388	380560.49	3735196.36	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.37E-06	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00
1389	380570.49	3735196.36	1.55E-05	0.00E+00	0.00E+00	0.00E+00	2.39E-06	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00
1390	380580.49	3735196.36	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.41E-06	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00
1391	380590.49	3735196.36	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
1392	380600.49	3735196.36	1.59E-05	0.00E+00	0.00E+00	0.00E+00	2.45E-06	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00
1393	380610.49	3735196.36	1.60E-05	0.00E+00	0.00E+00	0.00E+00	2.47E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
1394	380620.49	3735196.36	1.62E-05	0.00E+00	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00
1395	380630.49	3735196.36	1.63E-05	0.00E+00	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
1396	380640.49	3735196.36	1.64E-05	0.00E+00	0.00E+00	0.00E+00	2.53E-06	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00
1397	380650.49	3735196.36	1.66E-05	0.00E+00	0.00E+00	0.00E+00	2.56E-06	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00
1398	380660.49	3735196.36	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.58E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
1399	380670.49	3735196.36	1.69E-05	0.00E+00	0.00E+00	0.00E+00	2.60E-06	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00
1400	380680.49	3735196.36	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.63E-06	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00
1401	380690.49	3735196.36	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.66E-06	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00
1402	380700.49	3735196.36	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
1403	380500.49	3735206.36	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
1404	380510.49	3735206.36	1.48E-05	0.00E+00	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00
1405	380520.49	3735206.36	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
1406	380530.49	3735206.36	1.51E-05	0.00E+00	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
1407	380540.49	3735206.36	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
1408	380550.49	3735206.36	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.37E-06	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00
1409	380560.49	3735206.36	1.55E-05	0.00E+00	0.00E+00	0.00E+00	2.39E-06	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00
1410	380570.49	3735206.36	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.41E-06	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00
1411	380580.49	3735206.36	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
1412	380590.49	3735206.36	1.59E-05	0.00E+00	0.00E+00	0.00E+00	2.45E-06	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00
1413	380600.49	3735206.36	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.47E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
1414	380610.49	3735206.36	1.62E-05	0.00E+00	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00
1415	380620.49	3735206.36	1.63E-05	0.00E+00	0.00E+00	0.00E+00	2.52E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
1416	380630.49	3735206.36	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
1417	380640.49	3735206.36	1.66E-05	0.00E+00	0.00E+00	0.00E+00	2.56E-06	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00
1418	380650.49	3735206.36	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.58E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
1419	380660.49	3735206.36	1.69E-05	0.00E+00	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00
1420	380670.49	3735206.36	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.63E-06	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00
1421	380680.49	3735206.36	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.66E-06	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00
1422	380690.49	3735206.36	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
1423	380700.49	3735206.36	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
1424	380710.49	3735206.36	1.79E-05	0.00E+00	0.00E+00	0.00E+00	2.75E-06	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00
1425	380490.49	3735216.36	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.26E-06	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00
1426	380500.49	3735216.36	1.48E-05	0.00E+00	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00
1427	380510.49	3735216.36	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.30E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
1428	380520.49	3735216.36	1.51E-05	0.00E+00	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
1429	380530.49	3735216.36	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
1430	380540.49	3735216.36	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.37E-06	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00
1431	380550.49	3735216.36	1.55E-05	0.00E+00	0.00E+00	0.00E+00	2.39E-06	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00
1432	380560.49	3735216.36	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.41E-06	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00
1433	380570.49	3735216.36	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00
1434	380580.49	3735216.36	1.59E-05	0.00E+00	0.00E+00	0.00E+00	2.45E-06	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00
1435	380590.49	3735216.36	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.47E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
1436	380600.49	3735216.36	1.62E-05	0.00E+00	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00

1437	380610.49	3735216.36	1.64E-05	0.00E+00	0.00E+00	0.00E+00	2.52E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
1438	380620.49	3735216.36	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
1439	380630.49	3735216.36	1.66E-05	0.00E+00	0.00E+00	0.00E+00	2.56E-06	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00
1440	380640.49	3735216.36	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.58E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
1441	380650.49	3735216.36	1.69E-05	0.00E+00	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00
1442	380660.49	3735216.36	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.63E-06	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00
1443	380670.49	3735216.36	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.66E-06	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00
1444	380680.49	3735216.36	1.74E-05	0.00E+00	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
1445	380690.49	3735216.36	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
1446	380700.49	3735216.36	1.78E-05	0.00E+00	0.00E+00	0.00E+00	2.75E-06	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00
1447	380710.49	3735216.36	1.80E-05	0.00E+00	0.00E+00	0.00E+00	2.78E-06	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00
1448	380490.49	3735226.36	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
1449	380500.49	3735226.36	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.30E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
1450	380510.49	3735226.36	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
1451	380520.49	3735226.36	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.34E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
1452	380530.49	3735226.36	1.53E-05	0.00E+00	0.00E+00	0.00E+00	2.36E-06	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00
1453	380540.49	3735226.36	1.55E-05	0.00E+00	0.00E+00	0.00E+00	2.39E-06	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00
1454	380550.49	3735226.36	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.41E-06	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00
1455	380560.49	3735226.36	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00
1456	380570.49	3735226.36	1.59E-05	0.00E+00	0.00E+00	0.00E+00	2.45E-06	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00
1457	380580.49	3735226.36	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.47E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
1458	380590.49	3735226.36	1.62E-05	0.00E+00	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00
1459	380600.49	3735226.36	1.64E-05	0.00E+00	0.00E+00	0.00E+00	2.52E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
1460	380610.49	3735226.36	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
1461	380620.49	3735226.36	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
1462	380630.49	3735226.36	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.59E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
1463	380640.49	3735226.36	1.69E-05	0.00E+00	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00
1464	380650.49	3735226.36	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.63E-06	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00
1465	380660.49	3735226.36	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.66E-06	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00
1466	380670.49	3735226.36	1.74E-05	0.00E+00	0.00E+00	0.00E+00	2.68E-06	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00
1467	380680.49	3735226.36	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.71E-06	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00
1468	380690.49	3735226.36	1.78E-05	0.00E+00	0.00E+00	0.00E+00	2.75E-06	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00
1469	380700.49	3735226.36	1.80E-05	0.00E+00	0.00E+00	0.00E+00	2.78E-06	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00
1470	380710.49	3735226.36	1.82E-05	0.00E+00	0.00E+00	0.00E+00	2.81E-06	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00
1471	380720.49	3735226.36	1.84E-05	0.00E+00	0.00E+00	0.00E+00	2.84E-06	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00
1472	380490.49	3735236.36	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00
1473	380500.49	3735236.36	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
1474	380510.49	3735236.36	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
1475	380520.49	3735236.36	1.53E-05	0.00E+00	0.00E+00	0.00E+00	2.36E-06	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00
1476	380530.49	3735236.36	1.55E-05	0.00E+00	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00
1477	380540.49	3735236.36	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.41E-06	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00
1478	380550.49	3735236.36	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00
1479	380560.49	3735236.36	1.59E-05	0.00E+00	0.00E+00	0.00E+00	2.46E-06	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00
1480	380570.49	3735236.36	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.48E-06	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00
1481	380580.49	3735236.36	1.62E-05	0.00E+00	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00
1482	380590.49	3735236.36	1.64E-05	0.00E+00	0.00E+00	0.00E+00	2.52E-06	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00
1483	380600.49	3735236.36	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.55E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
1484	380610.49	3735236.36	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
1485	380620.49	3735236.36	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.59E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
1486	380630.49	3735236.36	1.69E-05	0.00E+00	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
1487	380640.49	3735236.36	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.63E-06	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00
1488	380650.49	3735236.36	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.66E-06	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00
1489	380660.49	3735236.36	1.74E-05	0.00E+00	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
1490	380670.49	3735236.36	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.71E-06	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00
1491	380680.49	3735236.36	1.78E-05	0.00E+00	0.00E+00	0.00E+00	2.74E-06	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00
1492	380690.49	3735236.36	1.80E-05	0.00E+00	0.00E+00	0.00E+00	2.77E-06	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00
1493	380700.49	3735236.36	1.82E-05	0.00E+00	0.00E+00	0.00E+00	2.81E-06	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00
1494	380710.49	3735236.36	1.84E-05	0.00E+00	0.00E+00	0.00E+00	2.83E-06	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00
1495	380720.49	3735236.36	1.86E-05	0.00E+00	0.00E+00	0.00E+00	2.86E-06	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00
1496	380730.49	3735236.36	1.88E-05	0.00E+00	0.00E+00	0.00E+00	2.90E-06	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00
1497	380480.49	3735246.36	1.48E-05	0.00E+00	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00
1498	380490.49	3735246.36	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
1499	380500.49	3735246.36	1.51E-05	0.00E+00	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
1500	380510.49	3735246.36	1.53E-05	0.00E+00	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
1501	380520.49	3735246.36	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00
1502	380530.49	3735246.36	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.40E-06	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00
1503	380540.49	3735246.36	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
1504	380550.49	3735246.36	1.59E-05	0.00E+00	0.00E+00	0.00E+00	2.45E-06	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00
1505	380560.49	3735246.36	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.48E-06	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00
1506	380570.49	3735246.36	1.62E-05	0.00E+00	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00
1507	380580.49	3735246.36	1.64E-05	0.00E+00	0.00E+00	0.00E+00	2.53E-06	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00
1508	380590.49	3735246.36	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.55E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
1509	380600.49	3735246.36	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
1510	380610.49	3735246.36	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.60E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
1511	380620.49	3735246.36	1.70E-05	0.00E+00	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
1512	380630.49	3735246.36	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.64E-06	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00
1513	380640.49	3735246.36	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.66E-06	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00
1514	380650.49	3735246.36	1.74E-05	0.00E+00	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
1515	380660.49	3735246.36	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
1516	380670.49	3735246.36	1.78E-05	0.00E+00	0.00E+00	0.00E+00	2.74E-06	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00
1517	380680.49	3735246.36	1.80E-05	0.00E+00	0.00E+00	0.00E+00	2.78E-06	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00
1518	380690.49	3735246.36	1.82E-05	0.00E+00	0.00E+00	0.00E+00	2.81E-06	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00
1519	380700.49	3735246.36	1.84E-05	0.00E+00	0.00E+00	0.00E+00	2.84E-06	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00
1520	380710.49	3735246.36	1.86E-05	0.00E+00	0.00E+00	0.00E+00	2.87E-06	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00
1521	380720.49	3735246.36	1.88E-05	0.00E+00	0.00E+00	0.00E+00	2.90E-06	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00
1522	380730.49	3735246.36	1.90E-05	0.00E+00	0.00E+00	0.00E+00	2.93E-06	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00
1523	380480.49	3735256.36	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
1524	380490.49	3735256.36	1.51E-05	0.00E+00	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
1525	380500.49	3735256.36	1.53E-05	0.00E+00	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
1526	380510.49	3735256.36	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00

1527	380520.49	3735256.36	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.40E-06	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00
1528	380530.49	3735256.36	1.57E-05	0.00E+00	0.00E+00	0.00E+00	2.42E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
1529	380540.49	3735256.36	1.59E-05	0.00E+00	0.00E+00	0.00E+00	2.45E-06	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00
1530	380550.49	3735256.36	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.47E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
1531	380560.49	3735256.36	1.62E-05	0.00E+00	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00
1532	380570.49	3735256.36	1.64E-05	0.00E+00	0.00E+00	0.00E+00	2.53E-06	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00
1533	380580.49	3735256.36	1.66E-05	0.00E+00	0.00E+00	0.00E+00	2.55E-06	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00
1534	380590.49	3735256.36	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.58E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
1535	380600.49	3735256.36	1.69E-05	0.00E+00	0.00E+00	0.00E+00	2.60E-06	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00
1536	380610.49	3735256.36	1.70E-05	0.00E+00	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
1537	380620.49	3735256.36	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.64E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
1538	380630.49	3735256.36	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.67E-06	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00
1539	380640.49	3735256.36	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
1540	380650.49	3735256.36	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
1541	380660.49	3735256.36	1.78E-05	0.00E+00	0.00E+00	0.00E+00	2.75E-06	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00
1542	380670.49	3735256.36	1.80E-05	0.00E+00	0.00E+00	0.00E+00	2.78E-06	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00
1543	380680.49	3735256.36	1.82E-05	0.00E+00	0.00E+00	0.00E+00	2.81E-06	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00
1544	380690.49	3735256.36	1.84E-05	0.00E+00	0.00E+00	0.00E+00	2.84E-06	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00
1545	380700.49	3735256.36	1.86E-05	0.00E+00	0.00E+00	0.00E+00	2.87E-06	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00
1546	380710.49	3735256.36	1.88E-05	0.00E+00	0.00E+00	0.00E+00	2.90E-06	0.00E+00	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00
1547	380720.49	3735256.36	1.90E-05	0.00E+00	0.00E+00	0.00E+00	2.93E-06	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00
1548	380480.49	3735266.36	1.51E-05	0.00E+00	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
1549	380490.49	3735266.36	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
1550	380500.49	3735266.36	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.37E-06	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00
1551	380510.49	3735266.36	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.40E-06	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00
1552	380520.49	3735266.36	1.57E-05	0.00E+00	0.00E+00	0.00E+00	2.42E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
1553	380530.49	3735266.36	1.59E-05	0.00E+00	0.00E+00	0.00E+00	2.45E-06	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00
1554	380540.49	3735266.36	1.60E-05	0.00E+00	0.00E+00	0.00E+00	2.47E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
1555	380550.49	3735266.36	1.62E-05	0.00E+00	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00
1556	380560.49	3735266.36	1.64E-05	0.00E+00	0.00E+00	0.00E+00	2.52E-06	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00
1557	380570.49	3735266.36	1.66E-05	0.00E+00	0.00E+00	0.00E+00	2.55E-06	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00
1558	380580.49	3735266.36	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.58E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
1559	380590.49	3735266.36	1.69E-05	0.00E+00	0.00E+00	0.00E+00	2.60E-06	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00
1560	380600.49	3735266.36	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.63E-06	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00
1561	380610.49	3735266.36	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.65E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
1562	380620.49	3735266.36	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.67E-06	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00
1563	380630.49	3735266.36	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.70E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
1564	380640.49	3735266.36	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
1565	380650.49	3735266.36	1.78E-05	0.00E+00	0.00E+00	0.00E+00	2.75E-06	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00
1566	380660.49	3735266.36	1.80E-05	0.00E+00	0.00E+00	0.00E+00	2.78E-06	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00
1567	380670.49	3735266.36	1.82E-05	0.00E+00	0.00E+00	0.00E+00	2.81E-06	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00
1568	380680.49	3735266.36	1.84E-05	0.00E+00	0.00E+00	0.00E+00	2.84E-06	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00
1569	380690.49	3735266.36	1.86E-05	0.00E+00	0.00E+00	0.00E+00	2.87E-06	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00
1570	380700.49	3735266.36	1.88E-05	0.00E+00	0.00E+00	0.00E+00	2.90E-06	0.00E+00	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00
1571	380710.49	3735266.36	1.90E-05	0.00E+00	0.00E+00	0.00E+00	2.93E-06	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00
1572	380720.49	3735266.36	1.92E-05	0.00E+00	0.00E+00	0.00E+00	2.97E-06	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00
1573	380740.49	3735266.36	1.97E-05	0.00E+00	0.00E+00	0.00E+00	3.03E-06	0.00E+00	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00
1574	380650.49	3735276.36	1.81E-05	0.00E+00	0.00E+00	0.00E+00	2.78E-06	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00
1575	380660.49	3735276.36	1.83E-05	0.00E+00	0.00E+00	0.00E+00	2.82E-06	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00
1576	380670.49	3735276.36	1.85E-05	0.00E+00	0.00E+00	0.00E+00	2.85E-06	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00
1577	380680.49	3735276.36	1.87E-05	0.00E+00	0.00E+00	0.00E+00	2.88E-06	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00
1578	380690.49	3735276.36	1.89E-05	0.00E+00	0.00E+00	0.00E+00	2.91E-06	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00
1579	380700.49	3735276.36	1.91E-05	0.00E+00	0.00E+00	0.00E+00	2.94E-06	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00
1580	380710.49	3735276.36	1.93E-05	0.00E+00	0.00E+00	0.00E+00	2.97E-06	0.00E+00	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00
1581	380740.49	3735276.36	1.99E-05	0.00E+00	0.00E+00	0.00E+00	3.07E-06	0.00E+00	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00
1582	380670.49	3735286.36	1.88E-05	0.00E+00	0.00E+00	0.00E+00	2.89E-06	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00
1583	380680.49	3735286.36	1.90E-05	0.00E+00	0.00E+00	0.00E+00	2.93E-06	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00
1584	380470.49	3735296.36	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00
1585	380480.49	3735296.36	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.40E-06	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00
1586	380490.49	3735296.36	1.57E-05	0.00E+00	0.00E+00	0.00E+00	2.42E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
1587	380500.49	3735296.36	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00
1588	380510.49	3735296.36	1.60E-05	0.00E+00	0.00E+00	0.00E+00	2.46E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
1589	380520.49	3735296.36	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00
1590	380530.49	3735296.36	1.63E-05	0.00E+00	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
1591	380540.49	3735296.36	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
1592	380550.49	3735296.36	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
1593	380560.49	3735296.36	1.69E-05	0.00E+00	0.00E+00	0.00E+00	2.60E-06	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00
1594	380570.49	3735296.36	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.63E-06	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00
1595	380580.49	3735296.36	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.66E-06	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00
1596	380590.49	3735296.36	1.74E-05	0.00E+00	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
1597	380470.49	3735306.36	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.40E-06	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00
1598	380480.49	3735306.36	1.57E-05	0.00E+00	0.00E+00	0.00E+00	2.42E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
1599	380490.49	3735306.36	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00
1600	380500.49	3735306.36	1.60E-05	0.00E+00	0.00E+00	0.00E+00	2.46E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
1601	380510.49	3735306.36	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00
1602	380520.49	3735306.36	1.63E-05	0.00E+00	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
1603	380530.49	3735306.36	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
1604	380540.49	3735306.36	1.66E-05	0.00E+00	0.00E+00	0.00E+00	2.56E-06	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00
1605	380550.49	3735306.36	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.59E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
1606	380560.49	3735306.36	1.70E-05	0.00E+00	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
1607	380570.49	3735306.36	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.65E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
1608	380580.49	3735306.36	1.74E-05	0.00E+00	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
1609	380590.49	3735306.36	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
1610	380470.49	3735316.36	1.57E-05	0.00E+00	0.00E+00	0.00E+00	2.42E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
1611	380480.49	3735316.36	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00
1612	380490.49	3735316.36	1.60E-05	0.00E+00	0.00E+00	0.00E+00	2.46E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
1613	380500.49	3735316.36	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00
1614	380510.49	3735316.36	1.63E-05	0.00E+00	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
1615	380520.49	3735316.36	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
1616	380530.49	3735316.36	1.66E-05	0.00E+00	0.00E+00	0.00E+00	2.56E-06	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00

1617	380540.49	3735316.36	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.59E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
1618	380550.49	3735316.36	1.70E-05	0.00E+00	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
1619	380560.49	3735316.36	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.65E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
1620	380570.49	3735316.36	1.74E-05	0.00E+00	0.00E+00	0.00E+00	2.68E-06	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00
1621	380580.49	3735316.36	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.71E-06	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00
1622	380590.49	3735316.36	1.78E-05	0.00E+00	0.00E+00	0.00E+00	2.75E-06	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00
1623	380470.49	3735326.36	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00
1624	380480.49	3735326.36	1.60E-05	0.00E+00	0.00E+00	0.00E+00	2.46E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
1625	380490.49	3735326.36	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00
1626	380500.49	3735326.36	1.63E-05	0.00E+00	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
1627	380510.49	3735326.36	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
1628	380520.49	3735326.36	1.66E-05	0.00E+00	0.00E+00	0.00E+00	2.56E-06	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00
1629	380530.49	3735326.36	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.59E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
1630	380540.49	3735326.36	1.70E-05	0.00E+00	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
1631	380550.49	3735326.36	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.64E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
1632	380560.49	3735326.36	1.74E-05	0.00E+00	0.00E+00	0.00E+00	2.68E-06	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00
1633	380570.49	3735326.36	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.71E-06	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00
1634	380580.49	3735326.36	1.78E-05	0.00E+00	0.00E+00	0.00E+00	2.74E-06	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00
1635	380590.49	3735326.36	1.80E-05	0.00E+00	0.00E+00	0.00E+00	2.78E-06	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00
1636	380470.49	3735336.36	1.60E-05	0.00E+00	0.00E+00	0.00E+00	2.46E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
1637	380480.49	3735336.36	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00
1638	380490.49	3735336.36	1.63E-05	0.00E+00	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
1639	380500.49	3735336.36	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
1640	380510.49	3735336.36	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
1641	380520.49	3735336.36	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.59E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
1642	380530.49	3735336.36	1.70E-05	0.00E+00	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
1643	380540.49	3735336.36	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.64E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
1644	380550.49	3735336.36	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.67E-06	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00
1645	380560.49	3735336.36	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.70E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
1646	380570.49	3735336.36	1.77E-05	0.00E+00	0.00E+00	0.00E+00	2.74E-06	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00
1647	380580.49	3735336.36	1.80E-05	0.00E+00	0.00E+00	0.00E+00	2.77E-06	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00
1648	380590.49	3735336.36	1.82E-05	0.00E+00	0.00E+00	0.00E+00	2.81E-06	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00
1649	380470.49	3735346.36	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00
1650	380480.49	3735346.36	1.63E-05	0.00E+00	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
1651	380490.49	3735346.36	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
1652	380500.49	3735346.36	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
1653	380510.49	3735346.36	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.59E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
1654	380520.49	3735346.36	1.70E-05	0.00E+00	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
1655	380530.49	3735346.36	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.64E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
1656	380540.49	3735346.36	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.67E-06	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00
1657	380550.49	3735346.36	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.70E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
1658	380560.49	3735346.36	1.77E-05	0.00E+00	0.00E+00	0.00E+00	2.73E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
1659	380570.49	3735346.36	1.79E-05	0.00E+00	0.00E+00	0.00E+00	2.76E-06	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00
1660	380580.49	3735346.36	1.81E-05	0.00E+00	0.00E+00	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00
1661	380590.49	3735346.36	1.84E-05	0.00E+00	0.00E+00	0.00E+00	2.83E-06	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00
1662	380600.49	3735346.36	1.86E-05	0.00E+00	0.00E+00	0.00E+00	2.87E-06	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00
1663	380470.49	3735356.36	1.63E-05	0.00E+00	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
1664	380480.49	3735356.36	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
1665	380490.49	3735356.36	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
1666	380500.49	3735356.36	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.59E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
1667	380510.49	3735356.36	1.70E-05	0.00E+00	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
1668	380520.49	3735356.36	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.64E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
1669	380530.49	3735356.36	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.67E-06	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00
1670	380540.49	3735356.36	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.70E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
1671	380550.49	3735356.36	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
1672	380560.49	3735356.36	1.79E-05	0.00E+00	0.00E+00	0.00E+00	2.75E-06	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00
1673	380570.49	3735356.36	1.81E-05	0.00E+00	0.00E+00	0.00E+00	2.78E-06	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00
1674	380580.49	3735356.36	1.83E-05	0.00E+00	0.00E+00	0.00E+00	2.82E-06	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00
1675	380590.49	3735356.36	1.86E-05	0.00E+00	0.00E+00	0.00E+00	2.86E-06	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00
1676	380600.49	3735356.36	1.88E-05	0.00E+00	0.00E+00	0.00E+00	2.90E-06	0.00E+00	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00
1677	380470.49	3735366.36	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
1678	380480.49	3735366.36	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
1679	380490.49	3735366.36	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.59E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
1680	380500.49	3735366.36	1.70E-05	0.00E+00	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
1681	380510.49	3735366.36	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.64E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
1682	380520.49	3735366.36	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.67E-06	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00
1683	380530.49	3735366.36	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.70E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
1684	380540.49	3735366.36	1.77E-05	0.00E+00	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
1685	380550.49	3735366.36	1.78E-05	0.00E+00	0.00E+00	0.00E+00	2.75E-06	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00
1686	380560.49	3735366.36	1.80E-05	0.00E+00	0.00E+00	0.00E+00	2.78E-06	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00
1687	380570.49	3735366.36	1.83E-05	0.00E+00	0.00E+00	0.00E+00	2.81E-06	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00
1688	380580.49	3735366.36	1.85E-05	0.00E+00	0.00E+00	0.00E+00	2.85E-06	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00
1689	380590.49	3735366.36	1.88E-05	0.00E+00	0.00E+00	0.00E+00	2.89E-06	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00
1690	380600.49	3735366.36	1.90E-05	0.00E+00	0.00E+00	0.00E+00	2.93E-06	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00
1691	380470.49	3735376.36	1.66E-05	0.00E+00	0.00E+00	0.00E+00	2.56E-06	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00
1692	380480.49	3735376.36	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.59E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
1693	380490.49	3735376.36	1.70E-05	0.00E+00	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
1694	380500.49	3735376.36	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.65E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
1695	380510.49	3735376.36	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.67E-06	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00
1696	380520.49	3735376.36	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.70E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
1697	380530.49	3735376.36	1.77E-05	0.00E+00	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
1698	380540.49	3735376.36	1.78E-05	0.00E+00	0.00E+00	0.00E+00	2.75E-06	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00
1699	380550.49	3735376.36	1.80E-05	0.00E+00	0.00E+00	0.00E+00	2.78E-06	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00
1700	380560.49	3735376.36	1.82E-05	0.00E+00	0.00E+00	0.00E+00	2.81E-06	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00
1701	380570.49	3735376.36	1.85E-05	0.00E+00	0.00E+00	0.00E+00	2.85E-06	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00
1702	380580.49	3735376.36	1.87E-05	0.00E+00	0.00E+00	0.00E+00	2.88E-06	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00
1703	380590.49	3735376.36	1.90E-05	0.00E+00	0.00E+00	0.00E+00	2.93E-06	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00
1704	380600.49	3735376.36	1.93E-05	0.00E+00	0.00E+00	0.00E+00	2.97E-06	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00
1705	380470.49	3735386.36	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.59E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
1706	380480.49	3735386.36	1.70E-05	0.00E+00	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00

1707	380490.49	3735386.36	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.65E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
1708	380500.49	3735386.36	1.74E-05	0.00E+00	0.00E+00	0.00E+00	2.68E-06	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00
1709	380510.49	3735386.36	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.70E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
1710	380520.49	3735386.36	1.77E-05	0.00E+00	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
1711	380530.49	3735386.36	1.79E-05	0.00E+00	0.00E+00	0.00E+00	2.75E-06	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00
1712	380540.49	3735386.36	1.80E-05	0.00E+00	0.00E+00	0.00E+00	2.78E-06	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00
1713	380550.49	3735386.36	1.82E-05	0.00E+00	0.00E+00	0.00E+00	2.81E-06	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00
1714	380560.49	3735386.36	1.84E-05	0.00E+00	0.00E+00	0.00E+00	2.84E-06	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00
1715	380570.49	3735386.36	1.87E-05	0.00E+00	0.00E+00	0.00E+00	2.88E-06	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00
1716	380580.49	3735386.36	1.89E-05	0.00E+00	0.00E+00	0.00E+00	2.91E-06	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00
1717	380470.49	3735396.36	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.63E-06	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00
1718	380480.49	3735396.36	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.66E-06	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00
1719	380490.49	3735396.36	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
1720	380500.49	3735396.36	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.71E-06	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00
1721	380510.49	3735396.36	1.77E-05	0.00E+00	0.00E+00	0.00E+00	2.74E-06	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00
1722	380520.49	3735396.36	1.79E-05	0.00E+00	0.00E+00	0.00E+00	2.76E-06	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00
1723	380530.49	3735396.36	1.81E-05	0.00E+00	0.00E+00	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00
1724	380540.49	3735396.36	1.83E-05	0.00E+00	0.00E+00	0.00E+00	2.81E-06	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00
1725	380550.49	3735396.36	1.84E-05	0.00E+00	0.00E+00	0.00E+00	2.84E-06	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00
1726	380560.49	3735396.36	1.87E-05	0.00E+00	0.00E+00	0.00E+00	2.88E-06	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00
1727	380570.49	3735396.36	1.89E-05	0.00E+00	0.00E+00	0.00E+00	2.92E-06	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00
1728	380470.49	3735406.36	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.67E-06	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00
1729	380480.49	3735406.36	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.70E-06	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00
1730	380490.49	3735406.36	1.77E-05	0.00E+00	0.00E+00	0.00E+00	2.73E-06	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00
1731	380500.49	3735406.36	1.79E-05	0.00E+00	0.00E+00	0.00E+00	2.76E-06	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00
1732	380510.49	3735406.36	1.80E-05	0.00E+00	0.00E+00	0.00E+00	2.78E-06	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00
1733	380520.49	3735406.36	1.82E-05	0.00E+00	0.00E+00	0.00E+00	2.81E-06	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00
1734	380530.49	3735406.36	1.84E-05	0.00E+00	0.00E+00	0.00E+00	2.83E-06	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00
1735	380540.49	3735406.36	1.85E-05	0.00E+00	0.00E+00	0.00E+00	2.85E-06	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00
1736	380550.49	3735406.36	1.87E-05	0.00E+00	0.00E+00	0.00E+00	2.88E-06	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00
1737	380470.49	3735416.36	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
1738	380480.49	3735416.36	1.78E-05	0.00E+00	0.00E+00	0.00E+00	2.75E-06	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00
1739	380490.49	3735416.36	1.80E-05	0.00E+00	0.00E+00	0.00E+00	2.78E-06	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00
1740	380500.49	3735416.36	1.82E-05	0.00E+00	0.00E+00	0.00E+00	2.80E-06	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00
1741	380510.49	3735416.36	1.83E-05	0.00E+00	0.00E+00	0.00E+00	2.83E-06	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00
1742	380520.49	3735416.36	1.85E-05	0.00E+00	0.00E+00	0.00E+00	2.85E-06	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00
1743	380530.49	3735416.36	1.87E-05	0.00E+00	0.00E+00	0.00E+00	2.88E-06	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00
1744	380540.49	3735416.36	1.88E-05	0.00E+00	0.00E+00	0.00E+00	2.90E-06	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00
1745	380508.6	3735428.15	1.87E-05	0.00E+00	0.00E+00	0.00E+00	2.89E-06	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00
1746	380755.22	3735274.08	2.02E-05	0.00E+00	0.00E+00	0.00E+00	3.11E-06	0.00E+00	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00
1747	380765.97	3735264.53	2.02E-05	0.00E+00	0.00E+00	0.00E+00	3.12E-06	0.00E+00	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00
1748	381012.29	3735349.99	2.89E-05	0.00E+00	0.00E+00	0.00E+00	4.46E-06	0.00E+00	0.00E+00	0.00E+00	2.96E-06	0.00E+00	0.00E+00	0.00E+00
1749	381038.28	3735349.99	2.97E-05	0.00E+00	0.00E+00	0.00E+00	4.58E-06	0.00E+00	0.00E+00	0.00E+00	3.04E-06	0.00E+00	0.00E+00	0.00E+00
1750	381011.59	3735332.43	2.72E-05	0.00E+00	0.00E+00	0.00E+00	4.19E-06	0.00E+00	0.00E+00	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00
1751	381036.18	3735330.32	2.75E-05	0.00E+00	0.00E+00	0.00E+00	4.25E-06	0.00E+00	0.00E+00	0.00E+00	2.82E-06	0.00E+00	0.00E+00	0.00E+00
1752	381061.47	3735332.43	2.82E-05	0.00E+00	0.00E+00	0.00E+00	4.34E-06	0.00E+00	0.00E+00	0.00E+00	2.88E-06	0.00E+00	0.00E+00	0.00E+00
1753	381076.92	3735323.29	2.81E-05	0.00E+00	0.00E+00	0.00E+00	4.34E-06	0.00E+00	0.00E+00	0.00E+00	2.88E-06	0.00E+00	0.00E+00	0.00E+00
1754	381090.27	3735310.65	2.77E-05	0.00E+00	0.00E+00	0.00E+00	4.27E-06	0.00E+00	0.00E+00	0.00E+00	2.84E-06	0.00E+00	0.00E+00	0.00E+00
1755	381093.78	3735292.38	2.69E-05	0.00E+00	0.00E+00	0.00E+00	4.15E-06	0.00E+00	0.00E+00	0.00E+00	2.76E-06	0.00E+00	0.00E+00	0.00E+00
1756	381094.49	3735274.11	2.64E-05	0.00E+00	0.00E+00	0.00E+00	4.07E-06	0.00E+00	0.00E+00	0.00E+00	2.70E-06	0.00E+00	0.00E+00	0.00E+00
1757	381081.84	3735247.42	2.53E-05	0.00E+00	0.00E+00	0.00E+00	3.91E-06	0.00E+00	0.00E+00	0.00E+00	2.60E-06	0.00E+00	0.00E+00	0.00E+00
1758	381072.71	3735232.66	2.47E-05	0.00E+00	0.00E+00	0.00E+00	3.81E-06	0.00E+00	0.00E+00	0.00E+00	2.53E-06	0.00E+00	0.00E+00	0.00E+00
1759	381052.33	3735222.13	2.40E-05	0.00E+00	0.00E+00	0.00E+00	3.69E-06	0.00E+00	0.00E+00	0.00E+00	2.45E-06	0.00E+00	0.00E+00	0.00E+00
1760	381038.28	3735225.64	2.38E-05	0.00E+00	0.00E+00	0.00E+00	3.67E-06	0.00E+00	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00
1761	381040.39	3735252.34	2.47E-05	0.00E+00	0.00E+00	0.00E+00	3.80E-06	0.00E+00	0.00E+00	0.00E+00	2.53E-06	0.00E+00	0.00E+00	0.00E+00
1762	381036.88	3735267.79	2.51E-05	0.00E+00	0.00E+00	0.00E+00	3.87E-06	0.00E+00	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00
1763	381050.93	3735255.85	2.50E-05	0.00E+00	0.00E+00	0.00E+00	3.85E-06	0.00E+00	0.00E+00	0.00E+00	2.56E-06	0.00E+00	0.00E+00	0.00E+00
1764	381069.9	3735249.53	2.52E-05	0.00E+00	0.00E+00	0.00E+00	3.88E-06	0.00E+00	0.00E+00	0.00E+00	2.58E-06	0.00E+00	0.00E+00	0.00E+00
1765	381053.04	3735295.89	2.64E-05	0.00E+00	0.00E+00	0.00E+00	4.07E-06	0.00E+00	0.00E+00	0.00E+00	2.71E-06	0.00E+00	0.00E+00	0.00E+00
1766	381069.9	3735307.84	2.72E-05	0.00E+00	0.00E+00	0.00E+00	4.19E-06	0.00E+00	0.00E+00	0.00E+00	2.78E-06	0.00E+00	0.00E+00	0.00E+00
1767	381006.97	3735349.05	2.86E-05	0.00E+00	0.00E+00	0.00E+00	4.40E-06	0.00E+00	0.00E+00	0.00E+00	2.92E-06	0.00E+00	0.00E+00	0.00E+00
1768	381020.17	3735352.72	2.94E-05	0.00E+00	0.00E+00	0.00E+00	4.54E-06	0.00E+00	0.00E+00	0.00E+00	3.02E-06	0.00E+00	0.00E+00	0.00E+00
1769	381031.54	3735356.02	2.98E-05	0.00E+00	0.00E+00	0.00E+00	4.60E-06	0.00E+00	0.00E+00	0.00E+00	3.06E-06	0.00E+00	0.00E+00	0.00E+00
1770	381015.41	3735331.08	2.72E-05	0.00E+00	0.00E+00	0.00E+00	4.19E-06	0.00E+00	0.00E+00	0.00E+00	2.78E-06	0.00E+00	0.00E+00	0.00E+00
1771	381028.97	3735338.78	2.83E-05	0.00E+00	0.00E+00	0.00E+00	4.36E-06	0.00E+00	0.00E+00	0.00E+00	2.90E-06	0.00E+00	0.00E+00	0.00E+00
1772	381046.94	3735345.38	2.91E-05	0.00E+00	0.00E+00	0.00E+00	4.48E-06	0.00E+00	0.00E+00	0.00E+00	2.98E-06	0.00E+00	0.00E+00	0.00E+00
1773	381062.71	3735339.51	2.87E-05	0.00E+00	0.00E+00	0.00E+00	4.42E-06	0.00E+00	0.00E+00	0.00E+00	2.94E-06	0.00E+00	0.00E+00	0.00E+00
1774	381059.78	3735317.51	2.74E-05	0.00E+00	0.00E+00	0.00E+00	4.22E-06	0.00E+00	0.00E+00	0.00E+00	2.81E-06	0.00E+00	0.00E+00	0.00E+00
1775	381083.99	3735329.98	2.87E-05	0.00E+00	0.00E+00	0.00E+00	4.43E-06	0.00E+00	0.00E+00	0.00E+00	2.94E-06	0.00E+00	0.00E+00	0.00E+00
1776	381073.72	3735314.57	2.76E-05	0.00E+00	0.00E+00	0.00E+00	4.25E-06	0.00E+00	0.00E+00	0.00E+00	2.82E-06	0.00E+00	0.00E+00	0.00E+00
1777	381102.32	3735309.07	2.78E-05	0.00E+00	0.00E+00	0.00E+00	4.29E-06	0.00E+00	0.00E+00	0.00E+00	2.85E-06	0.00E+00	0.00E+00	0.00E+00
1778	381079.95	3735299.9	2.69E-05	0.00E+00	0.00E+00	0.00E+00	4.15E-06	0.00E+00	0.00E+00	0.00E+00	2.76E-06	0.00E+00	0.00E+00	0.00E+00
1779	381104.89	3735283.03	2.69E-05	0.00E+00	0.00E+00	0.00E+00	4.14E-06	0.00E+00	0.00E+00	0.00E+00	2.75E-06	0.00E+00	0.00E+00	0.00E+00
1780	381074.45	3735282.3	2.63E-05	0.00E+00	0.00E+00	0.00E+00	4.05E-06	0.00E+00	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00
1781	381420.12	3734697.69	1.69E-05	0.00E+00	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
1782	381430.12	3734697.69	1.70E-05	0.00E+00	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
1783	381440.12	3734697.69	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.63E-06	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00
1784	381450.12	3734697.69	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.64E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
1785	381090.12	3734707.69	1.44E-05	0.00E+00	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00
1786	381100.12	3734707.69	1.45E-05	0.00E+00	0.00E+00	0.00E+00	2.24E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
1787	381110.12	3734707.69	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00
1788	381120.12	3734707.69	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
1789	381130.12	3734707.69	1.48E-05	0.00E+00	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
1790	381140.12	3734707.69	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00
1791	381150.12	3734707.69	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.30E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
1792	381160.12	3734707.69	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
1793	381170.12	3734707.69	1.51E-05	0.00E+00	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
1794	381180.12	3734707.69	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
1795	381190.12	3734707.69	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
1796	381200.12	3734707.69	1.53E-05	0.00E+00	0.00E+00	0.00E+00	2.36E-06	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00

1797	381210.12	3734707.69	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.37E-06	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00
1798	381220.12	3734707.69	1.55E-05	0.00E+00	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00
1799	381230.12	3734707.69	1.55E-05	0.00E+00	0.00E+00	0.00E+00	2.39E-06	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00
1800	381240.12	3734707.69	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.40E-06	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00
1801	381250.12	3734707.69	1.57E-05	0.00E+00	0.00E+00	0.00E+00	2.42E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
1802	381260.12	3734707.69	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
1803	381270.12	3734707.69	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00
1804	381280.12	3734707.69	1.59E-05	0.00E+00	0.00E+00	0.00E+00	2.45E-06	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00
1805	381290.12	3734707.69	1.60E-05	0.00E+00	0.00E+00	0.00E+00	2.46E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
1806	381300.12	3734707.69	1.60E-05	0.00E+00	0.00E+00	0.00E+00	2.47E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
1807	381310.12	3734707.69	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00
1808	381320.12	3734707.69	1.62E-05	0.00E+00	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00
1809	381330.12	3734707.69	1.63E-05	0.00E+00	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
1810	381340.12	3734707.69	1.64E-05	0.00E+00	0.00E+00	0.00E+00	2.53E-06	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00
1811	381350.12	3734707.69	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
1812	381360.12	3734707.69	1.66E-05	0.00E+00	0.00E+00	0.00E+00	2.56E-06	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00
1813	381370.12	3734707.69	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
1814	381380.12	3734707.69	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.58E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
1815	381390.12	3734707.69	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.60E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
1816	381400.12	3734707.69	1.69E-05	0.00E+00	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00
1817	381410.12	3734707.69	1.70E-05	0.00E+00	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
1818	381420.12	3734707.69	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.63E-06	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00
1819	381430.12	3734707.69	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.64E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
1820	381440.12	3734707.69	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.65E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
1821	381450.12	3734707.69	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.67E-06	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00
1822	380750.12	3734717.69	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00
1823	380760.12	3734717.69	1.20E-05	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00
1824	380770.12	3734717.69	1.21E-05	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00
1825	380780.12	3734717.69	1.22E-05	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00
1826	380790.12	3734717.69	1.22E-05	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00
1827	380800.12	3734717.69	1.23E-05	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00
1828	380810.12	3734717.69	1.23E-05	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00
1829	380820.12	3734717.69	1.24E-05	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00
1830	380830.12	3734717.69	1.25E-05	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00
1831	380840.12	3734717.69	1.25E-05	0.00E+00	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00
1832	380850.12	3734717.69	1.26E-05	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00
1833	380860.12	3734717.69	1.27E-05	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00
1834	380870.12	3734717.69	1.27E-05	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00
1835	380880.12	3734717.69	1.28E-05	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00
1836	380890.12	3734717.69	1.29E-05	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00
1837	380900.12	3734717.69	1.30E-05	0.00E+00	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00
1838	380910.12	3734717.69	1.31E-05	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00
1839	380920.12	3734717.69	1.31E-05	0.00E+00	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00
1840	380930.12	3734717.69	1.32E-05	0.00E+00	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00
1841	380940.12	3734717.69	1.33E-05	0.00E+00	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00
1842	380950.12	3734717.69	1.34E-05	0.00E+00	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00
1843	380960.12	3734717.69	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00
1844	380970.12	3734717.69	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00
1845	380980.12	3734717.69	1.36E-05	0.00E+00	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00
1846	380990.12	3734717.69	1.37E-05	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00
1847	381000.12	3734717.69	1.38E-05	0.00E+00	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00
1848	381010.12	3734717.69	1.38E-05	0.00E+00	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00
1849	381020.12	3734717.69	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00
1850	381030.12	3734717.69	1.40E-05	0.00E+00	0.00E+00	0.00E+00	2.16E-06	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
1851	381040.12	3734717.69	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
1852	381050.12	3734717.69	1.42E-05	0.00E+00	0.00E+00	0.00E+00	2.19E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00
1853	381060.12	3734717.69	1.43E-05	0.00E+00	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00
1854	381070.12	3734717.69	1.44E-05	0.00E+00	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00
1855	381080.12	3734717.69	1.45E-05	0.00E+00	0.00E+00	0.00E+00	2.23E-06	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00
1856	381090.12	3734717.69	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.24E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
1857	381100.12	3734717.69	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.26E-06	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00
1858	381110.12	3734717.69	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
1859	381120.12	3734717.69	1.48E-05	0.00E+00	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00
1860	381130.12	3734717.69	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
1861	381140.12	3734717.69	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
1862	381150.12	3734717.69	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
1863	381160.12	3734717.69	1.51E-05	0.00E+00	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
1864	381170.12	3734717.69	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.34E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
1865	381180.12	3734717.69	1.53E-05	0.00E+00	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
1866	381190.12	3734717.69	1.53E-05	0.00E+00	0.00E+00	0.00E+00	2.36E-06	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00
1867	381200.12	3734717.69	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00
1868	381210.12	3734717.69	1.55E-05	0.00E+00	0.00E+00	0.00E+00	2.39E-06	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00
1869	381220.12	3734717.69	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.40E-06	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00
1870	381230.12	3734717.69	1.57E-05	0.00E+00	0.00E+00	0.00E+00	2.41E-06	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00
1871	381240.12	3734717.69	1.57E-05	0.00E+00	0.00E+00	0.00E+00	2.42E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
1872	381250.12	3734717.69	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00
1873	381260.12	3734717.69	1.59E-05	0.00E+00	0.00E+00	0.00E+00	2.45E-06	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00
1874	381270.12	3734717.69	1.60E-05	0.00E+00	0.00E+00	0.00E+00	2.46E-06	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00
1875	381280.12	3734717.69	1.60E-05	0.00E+00	0.00E+00	0.00E+00	2.47E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
1876	381290.12	3734717.69	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.48E-06	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00
1877	381300.12	3734717.69	1.62E-05	0.00E+00	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00
1878	381310.12	3734717.69	1.63E-05	0.00E+00	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
1879	381320.12	3734717.69	1.64E-05	0.00E+00	0.00E+00	0.00E+00	2.52E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
1880	381330.12	3734717.69	1.64E-05	0.00E+00	0.00E+00	0.00E+00	2.53E-06	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00
1881	381340.12	3734717.69	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.55E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
1882	381350.12	3734717.69	1.66E-05	0.00E+00	0.00E+00	0.00E+00	2.56E-06	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00
1883	381360.12	3734717.69	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.58E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
1884	381370.12	3734717.69	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.59E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
1885	381380.12	3734717.69	1.69E-05	0.00E+00	0.00E+00	0.00E+00	2.60E-06	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00
1886	381390.12	3734717.69	1.70E-05	0.00E+00	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00

1887	381400.12	3734717.69	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.63E-06	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00
1888	381410.12	3734717.69	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.64E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
1889	381420.12	3734717.69	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.66E-06	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00
1890	381430.12	3734717.69	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.67E-06	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00
1891	381440.12	3734717.69	1.74E-05	0.00E+00	0.00E+00	0.00E+00	2.68E-06	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00
1892	381450.12	3734717.69	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
1893	380410.12	3734727.69	1.01E-05	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00
1894	380420.12	3734727.69	1.02E-05	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00
1895	380430.12	3734727.69	1.03E-05	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00
1896	380440.12	3734727.69	1.03E-05	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00
1897	380450.12	3734727.69	1.04E-05	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00
1898	380460.12	3734727.69	1.04E-05	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00
1899	380470.12	3734727.69	1.05E-05	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00
1900	380480.12	3734727.69	1.05E-05	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00
1901	380490.12	3734727.69	1.06E-05	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00
1902	380500.12	3734727.69	1.06E-05	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00
1903	380510.12	3734727.69	1.07E-05	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00
1904	380520.12	3734727.69	1.07E-05	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00
1905	380530.12	3734727.69	1.08E-05	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00
1906	380540.12	3734727.69	1.08E-05	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00
1907	380550.12	3734727.69	1.09E-05	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00
1908	380560.12	3734727.69	1.09E-05	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00
1909	380570.12	3734727.69	1.10E-05	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00
1910	380580.12	3734727.69	1.11E-05	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00
1911	380590.12	3734727.69	1.11E-05	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00
1912	380600.12	3734727.69	1.12E-05	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00
1913	380610.12	3734727.69	1.12E-05	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00
1914	380620.12	3734727.69	1.13E-05	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00
1915	380630.12	3734727.69	1.14E-05	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00
1916	380640.12	3734727.69	1.15E-05	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00
1917	380650.12	3734727.69	1.15E-05	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00
1918	380660.12	3734727.69	1.16E-05	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00
1919	380670.12	3734727.69	1.16E-05	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00
1920	380680.12	3734727.69	1.17E-05	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00
1921	380690.12	3734727.69	1.17E-05	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00
1922	380700.12	3734727.69	1.18E-05	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00
1923	380710.12	3734727.69	1.18E-05	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00
1924	380720.12	3734727.69	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00
1925	380730.12	3734727.69	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00
1926	380740.12	3734727.69	1.20E-05	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00
1927	380750.12	3734727.69	1.20E-05	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00
1928	380760.12	3734727.69	1.21E-05	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00
1929	380770.12	3734727.69	1.22E-05	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00
1930	380780.12	3734727.69	1.22E-05	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00
1931	380790.12	3734727.69	1.23E-05	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00
1932	380800.12	3734727.69	1.24E-05	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00
1933	380810.12	3734727.69	1.24E-05	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00
1934	380820.12	3734727.69	1.25E-05	0.00E+00	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00
1935	380830.12	3734727.69	1.26E-05	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00
1936	380840.12	3734727.69	1.26E-05	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00
1937	380850.12	3734727.69	1.27E-05	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00
1938	380860.12	3734727.69	1.28E-05	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00
1939	380870.12	3734727.69	1.28E-05	0.00E+00	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00
1940	380880.12	3734727.69	1.29E-05	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00
1941	380890.12	3734727.69	1.30E-05	0.00E+00	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00
1942	380900.12	3734727.69	1.31E-05	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00
1943	380910.12	3734727.69	1.32E-05	0.00E+00	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00
1944	380920.12	3734727.69	1.33E-05	0.00E+00	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00
1945	380930.12	3734727.69	1.33E-05	0.00E+00	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00
1946	380940.12	3734727.69	1.34E-05	0.00E+00	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00
1947	380950.12	3734727.69	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00
1948	380960.12	3734727.69	1.36E-05	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00
1949	380970.12	3734727.69	1.36E-05	0.00E+00	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00
1950	380980.12	3734727.69	1.37E-05	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00
1951	380990.12	3734727.69	1.38E-05	0.00E+00	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00
1952	381000.12	3734727.69	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00
1953	381010.12	3734727.69	1.40E-05	0.00E+00	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00
1954	381020.12	3734727.69	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
1955	381030.12	3734727.69	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00
1956	381040.12	3734727.69	1.42E-05	0.00E+00	0.00E+00	0.00E+00	2.19E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00
1957	381050.12	3734727.69	1.43E-05	0.00E+00	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00
1958	381060.12	3734727.69	1.44E-05	0.00E+00	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00
1959	381070.12	3734727.69	1.45E-05	0.00E+00	0.00E+00	0.00E+00	2.24E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
1960	381080.12	3734727.69	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
1961	381090.12	3734727.69	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.26E-06	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00
1962	381100.12	3734727.69	1.48E-05	0.00E+00	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
1963	381110.12	3734727.69	1.48E-05	0.00E+00	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00
1964	381120.12	3734727.69	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.30E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
1965	381130.12	3734727.69	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
1966	381140.12	3734727.69	1.51E-05	0.00E+00	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
1967	381150.12	3734727.69	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.34E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
1968	381160.12	3734727.69	1.53E-05	0.00E+00	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
1969	381170.12	3734727.69	1.53E-05	0.00E+00	0.00E+00	0.00E+00	2.36E-06	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00
1970	381180.12	3734727.69	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.37E-06	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00
1971	381190.12	3734727.69	1.55E-05	0.00E+00	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00
1972	381200.12	3734727.69	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.40E-06	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00
1973	381210.12	3734727.69	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.41E-06	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00
1974	381220.12	3734727.69	1.57E-05	0.00E+00	0.00E+00	0.00E+00	2.42E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
1975	381230.12	3734727.69	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00
1976	381240.12	3734727.69	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00

1977	381250.12	3734727.69	1.59E-05	0.00E+00	0.00E+00	0.00E+00	2.46E-06	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00
1978	381260.12	3734727.69	1.60E-05	0.00E+00	0.00E+00	0.00E+00	2.47E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
1979	381270.12	3734727.69	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.48E-06	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00
1980	381280.12	3734727.69	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00
1981	381290.12	3734727.69	1.62E-05	0.00E+00	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00
1982	381300.12	3734727.69	1.63E-05	0.00E+00	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
1983	381310.12	3734727.69	1.64E-05	0.00E+00	0.00E+00	0.00E+00	2.53E-06	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00
1984	381320.12	3734727.69	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
1985	381330.12	3734727.69	1.66E-05	0.00E+00	0.00E+00	0.00E+00	2.55E-06	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00
1986	381340.12	3734727.69	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
1987	381350.12	3734727.69	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.58E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
1988	381360.12	3734727.69	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.60E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
1989	381370.12	3734727.69	1.69E-05	0.00E+00	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00
1990	381380.12	3734727.69	1.70E-05	0.00E+00	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
1991	381390.12	3734727.69	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.64E-06	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00
1992	381400.12	3734727.69	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.65E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
1993	381410.12	3734727.69	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.67E-06	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00
1994	381420.12	3734727.69	1.74E-05	0.00E+00	0.00E+00	0.00E+00	2.68E-06	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00
1995	381430.12	3734727.69	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
1996	381440.12	3734727.69	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.70E-06	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00
1997	381450.12	3734727.69	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
1998	380350.12	3734737.69	9.80E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00	1.00E-06	0.00E+00	0.00E+00	0.00E+00
1999	380360.12	3734737.69	9.87E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00
2000	380370.12	3734737.69	9.94E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00
2001	380380.12	3734737.69	1.00E-05	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00
2002	380390.12	3734737.69	1.01E-05	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00
2003	380400.12	3734737.69	1.01E-05	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00
2004	380410.12	3734737.69	1.02E-05	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00
2005	380420.12	3734737.69	1.03E-05	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00
2006	380430.12	3734737.69	1.03E-05	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00
2007	380440.12	3734737.69	1.04E-05	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00
2008	380450.12	3734737.69	1.04E-05	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00
2009	380460.12	3734737.69	1.05E-05	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00
2010	380470.12	3734737.69	1.05E-05	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00
2011	380480.12	3734737.69	1.06E-05	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00
2012	380490.12	3734737.69	1.07E-05	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00
2013	380500.12	3734737.69	1.07E-05	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00
2014	380510.12	3734737.69	1.08E-05	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00
2015	380520.12	3734737.69	1.08E-05	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00
2016	380530.12	3734737.69	1.09E-05	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00
2017	380540.12	3734737.69	1.09E-05	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00
2018	380550.12	3734737.69	1.10E-05	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00
2019	380560.12	3734737.69	1.10E-05	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00
2020	380570.12	3734737.69	1.11E-05	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00
2021	380580.12	3734737.69	1.11E-05	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00
2022	380590.12	3734737.69	1.12E-05	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00
2023	380600.12	3734737.69	1.13E-05	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00
2024	380610.12	3734737.69	1.13E-05	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00
2025	380620.12	3734737.69	1.14E-05	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00
2026	380630.12	3734737.69	1.15E-05	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00
2027	380640.12	3734737.69	1.15E-05	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00
2028	380650.12	3734737.69	1.16E-05	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00
2029	380660.12	3734737.69	1.16E-05	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00
2030	380670.12	3734737.69	1.17E-05	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00
2031	380680.12	3734737.69	1.18E-05	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00
2032	380690.12	3734737.69	1.18E-05	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00
2033	380700.12	3734737.69	1.18E-05	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00
2034	380710.12	3734737.69	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00
2035	380720.12	3734737.69	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00
2036	380730.12	3734737.69	1.20E-05	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00
2037	380740.12	3734737.69	1.20E-05	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00
2038	380750.12	3734737.69	1.21E-05	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00
2039	380760.12	3734737.69	1.22E-05	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00
2040	380770.12	3734737.69	1.23E-05	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00
2041	380780.12	3734737.69	1.23E-05	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00
2042	380790.12	3734737.69	1.24E-05	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00
2043	380800.12	3734737.69	1.25E-05	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00
2044	380810.12	3734737.69	1.25E-05	0.00E+00	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00
2045	380820.12	3734737.69	1.26E-05	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00
2046	380830.12	3734737.69	1.27E-05	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00
2047	380840.12	3734737.69	1.27E-05	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00
2048	380850.12	3734737.69	1.28E-05	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00
2049	380860.12	3734737.69	1.28E-05	0.00E+00	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00
2050	380870.12	3734737.69	1.29E-05	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00
2051	380880.12	3734737.69	1.30E-05	0.00E+00	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00
2052	380890.12	3734737.69	1.31E-05	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00
2053	380900.12	3734737.69	1.32E-05	0.00E+00	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00
2054	380910.12	3734737.69	1.33E-05	0.00E+00	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00
2055	380920.12	3734737.69	1.34E-05	0.00E+00	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00
2056	380930.12	3734737.69	1.34E-05	0.00E+00	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00
2057	380940.12	3734737.69	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00
2058	380950.12	3734737.69	1.36E-05	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00
2059	380960.12	3734737.69	1.37E-05	0.00E+00	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00
2060	380970.12	3734737.69	1.37E-05	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00
2061	380980.12	3734737.69	1.38E-05	0.00E+00	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00
2062	380990.12	3734737.69	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00
2063	381000.12	3734737.69	1.40E-05	0.00E+00	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00
2064	381010.12	3734737.69	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
2065	381020.12	3734737.69	1.42E-05	0.00E+00	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00
2066	381030.12	3734737.69	1.43E-05	0.00E+00	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00

2067	381040.12	3734737.69	1.43E-05	0.00E+00	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00
2068	381050.12	3734737.69	1.44E-05	0.00E+00	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00
2069	381060.12	3734737.69	1.45E-05	0.00E+00	0.00E+00	0.00E+00	2.24E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
2070	381070.12	3734737.69	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00
2071	381080.12	3734737.69	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
2072	381090.12	3734737.69	1.48E-05	0.00E+00	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00
2073	381100.12	3734737.69	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
2074	381110.12	3734737.69	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
2075	381120.12	3734737.69	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
2076	381130.12	3734737.69	1.51E-05	0.00E+00	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
2077	381140.12	3734737.69	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
2078	381150.12	3734737.69	1.53E-05	0.00E+00	0.00E+00	0.00E+00	2.36E-06	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00
2079	381160.12	3734737.69	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.37E-06	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00
2080	381170.12	3734737.69	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00
2081	381180.12	3734737.69	1.55E-05	0.00E+00	0.00E+00	0.00E+00	2.39E-06	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00
2082	381190.12	3734737.69	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.40E-06	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00
2083	381200.12	3734737.69	1.57E-05	0.00E+00	0.00E+00	0.00E+00	2.42E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
2084	381210.12	3734737.69	1.57E-05	0.00E+00	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
2085	381220.12	3734737.69	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00
2086	381230.12	3734737.69	1.59E-05	0.00E+00	0.00E+00	0.00E+00	2.45E-06	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00
2087	381240.12	3734737.69	1.60E-05	0.00E+00	0.00E+00	0.00E+00	2.46E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
2088	381250.12	3734737.69	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.47E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
2089	381260.12	3734737.69	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00
2090	381270.12	3734737.69	1.62E-05	0.00E+00	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00
2091	381280.12	3734737.69	1.63E-05	0.00E+00	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
2092	381290.12	3734737.69	1.64E-05	0.00E+00	0.00E+00	0.00E+00	2.52E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
2093	381300.12	3734737.69	1.64E-05	0.00E+00	0.00E+00	0.00E+00	2.53E-06	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00
2094	381310.12	3734737.69	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
2095	381320.12	3734737.69	1.66E-05	0.00E+00	0.00E+00	0.00E+00	2.56E-06	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00
2096	381330.12	3734737.69	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
2097	381340.12	3734737.69	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.58E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
2098	381350.12	3734737.69	1.69E-05	0.00E+00	0.00E+00	0.00E+00	2.60E-06	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00
2099	381360.12	3734737.69	1.70E-05	0.00E+00	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
2100	381370.12	3734737.69	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.63E-06	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00
2101	381380.12	3734737.69	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.64E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
2102	381390.12	3734737.69	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.66E-06	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00
2103	381400.12	3734737.69	1.74E-05	0.00E+00	0.00E+00	0.00E+00	2.68E-06	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00
2104	381410.12	3734737.69	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
2105	381420.12	3734737.69	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.71E-06	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00
2106	381430.12	3734737.69	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
2107	381440.12	3734737.69	1.77E-05	0.00E+00	0.00E+00	0.00E+00	2.73E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
2108	381450.12	3734737.69	1.78E-05	0.00E+00	0.00E+00	0.00E+00	2.74E-06	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00
2109	380320.12	3734747.69	9.64E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00	9.87E-07	0.00E+00	0.00E+00	0.00E+00
2110	380330.12	3734747.69	9.71E-06	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00	9.95E-07	0.00E+00	0.00E+00	0.00E+00
2111	380340.12	3734747.69	9.78E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00	1.00E-06	0.00E+00	0.00E+00	0.00E+00
2112	380350.12	3734747.69	9.85E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00
2113	380360.12	3734747.69	9.92E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00
2114	380370.12	3734747.69	9.99E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00
2115	380380.12	3734747.69	1.01E-05	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00
2116	380390.12	3734747.69	1.01E-05	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00
2117	380400.12	3734747.69	1.02E-05	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00
2118	380410.12	3734747.69	1.02E-05	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00
2119	380420.12	3734747.69	1.03E-05	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00
2120	380430.12	3734747.69	1.04E-05	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00
2121	380440.12	3734747.69	1.04E-05	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00
2122	380450.12	3734747.69	1.05E-05	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00
2123	380460.12	3734747.69	1.05E-05	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00
2124	380470.12	3734747.69	1.06E-05	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00
2125	380480.12	3734747.69	1.07E-05	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00
2126	380490.12	3734747.69	1.07E-05	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00
2127	380500.12	3734747.69	1.08E-05	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00
2128	380510.12	3734747.69	1.08E-05	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00
2129	380520.12	3734747.69	1.09E-05	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00
2130	380530.12	3734747.69	1.09E-05	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00
2131	380540.12	3734747.69	1.10E-05	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00
2132	380550.12	3734747.69	1.10E-05	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00
2133	380560.12	3734747.69	1.11E-05	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00
2134	380570.12	3734747.69	1.11E-05	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00
2135	380580.12	3734747.69	1.12E-05	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00
2136	380590.12	3734747.69	1.13E-05	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00
2137	380600.12	3734747.69	1.13E-05	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00
2138	380610.12	3734747.69	1.14E-05	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00
2139	380620.12	3734747.69	1.15E-05	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00
2140	380630.12	3734747.69	1.15E-05	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00
2141	380640.12	3734747.69	1.16E-05	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00
2142	380650.12	3734747.69	1.16E-05	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00
2143	380660.12	3734747.69	1.17E-05	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00
2144	380670.12	3734747.69	1.18E-05	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00
2145	380680.12	3734747.69	1.18E-05	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00
2146	380690.12	3734747.69	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00
2147	380700.12	3734747.69	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00
2148	380710.12	3734747.69	1.20E-05	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00
2149	380720.12	3734747.69	1.20E-05	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00
2150	380730.12	3734747.69	1.21E-05	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00
2151	380740.12	3734747.69	1.21E-05	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00
2152	380750.12	3734747.69	1.22E-05	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00
2153	380760.12	3734747.69	1.23E-05	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00
2154	380770.12	3734747.69	1.23E-05	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00
2155	380780.12	3734747.69	1.24E-05	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00
2156	380790.12	3734747.69	1.25E-05	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00

2157	380800.12	3734747.69	1.26E-05	0.00E+00	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00
2158	380810.12	3734747.69	1.26E-05	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00
2159	380820.12	3734747.69	1.27E-05	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00
2160	380830.12	3734747.69	1.27E-05	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00
2161	380840.12	3734747.69	1.28E-05	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00
2162	380850.12	3734747.69	1.29E-05	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00
2163	380860.12	3734747.69	1.30E-05	0.00E+00	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00
2164	380870.12	3734747.69	1.30E-05	0.00E+00	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00
2165	380880.12	3734747.69	1.31E-05	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00
2166	380890.12	3734747.69	1.32E-05	0.00E+00	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00
2167	380900.12	3734747.69	1.33E-05	0.00E+00	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00
2168	380910.12	3734747.69	1.34E-05	0.00E+00	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00
2169	380920.12	3734747.69	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00
2170	380930.12	3734747.69	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00
2171	380940.12	3734747.69	1.36E-05	0.00E+00	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00
2172	380950.12	3734747.69	1.37E-05	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00
2173	380960.12	3734747.69	1.38E-05	0.00E+00	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00
2174	380970.12	3734747.69	1.38E-05	0.00E+00	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00
2175	380980.12	3734747.69	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00
2176	380990.12	3734747.69	1.40E-05	0.00E+00	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00
2177	381000.12	3734747.69	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
2178	381010.12	3734747.69	1.42E-05	0.00E+00	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00
2179	381020.12	3734747.69	1.43E-05	0.00E+00	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00
2180	381030.12	3734747.69	1.44E-05	0.00E+00	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00
2181	381040.12	3734747.69	1.45E-05	0.00E+00	0.00E+00	0.00E+00	2.23E-06	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00
2182	381050.12	3734747.69	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.24E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
2183	381060.12	3734747.69	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.26E-06	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00
2184	381070.12	3734747.69	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
2185	381080.12	3734747.69	1.48E-05	0.00E+00	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00
2186	381090.12	3734747.69	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.30E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
2187	381100.12	3734747.69	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
2188	381110.12	3734747.69	1.51E-05	0.00E+00	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
2189	381120.12	3734747.69	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.34E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
2190	381130.12	3734747.69	1.53E-05	0.00E+00	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
2191	381140.12	3734747.69	1.53E-05	0.00E+00	0.00E+00	0.00E+00	2.36E-06	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00
2192	381150.12	3734747.69	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00
2193	381160.12	3734747.69	1.55E-05	0.00E+00	0.00E+00	0.00E+00	2.39E-06	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00
2194	381170.12	3734747.69	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.40E-06	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00
2195	381180.12	3734747.69	1.57E-05	0.00E+00	0.00E+00	0.00E+00	2.41E-06	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00
2196	381190.12	3734747.69	1.57E-05	0.00E+00	0.00E+00	0.00E+00	2.42E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
2197	381200.12	3734747.69	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00
2198	381210.12	3734747.69	1.59E-05	0.00E+00	0.00E+00	0.00E+00	2.45E-06	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00
2199	381220.12	3734747.69	1.60E-05	0.00E+00	0.00E+00	0.00E+00	2.46E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
2200	381230.12	3734747.69	1.60E-05	0.00E+00	0.00E+00	0.00E+00	2.47E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
2201	381240.12	3734747.69	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.48E-06	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00
2202	381250.12	3734747.69	1.62E-05	0.00E+00	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00
2203	381260.12	3734747.69	1.63E-05	0.00E+00	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
2204	381270.12	3734747.69	1.63E-05	0.00E+00	0.00E+00	0.00E+00	2.52E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
2205	381280.12	3734747.69	1.64E-05	0.00E+00	0.00E+00	0.00E+00	2.53E-06	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00
2206	381290.12	3734747.69	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
2207	381300.12	3734747.69	1.66E-05	0.00E+00	0.00E+00	0.00E+00	2.55E-06	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00
2208	381310.12	3734747.69	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
2209	381320.12	3734747.69	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.58E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
2210	381330.12	3734747.69	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.59E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
2211	381340.12	3734747.69	1.69E-05	0.00E+00	0.00E+00	0.00E+00	2.60E-06	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00
2212	381350.12	3734747.69	1.70E-05	0.00E+00	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
2213	381360.12	3734747.69	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.63E-06	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00
2214	381370.12	3734747.69	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.65E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
2215	381380.12	3734747.69	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.67E-06	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00
2216	381390.12	3734747.69	1.74E-05	0.00E+00	0.00E+00	0.00E+00	2.68E-06	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00
2217	381400.12	3734747.69	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.70E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
2218	381410.12	3734747.69	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
2219	381420.12	3734747.69	1.77E-05	0.00E+00	0.00E+00	0.00E+00	2.74E-06	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00
2220	381430.12	3734747.69	1.78E-05	0.00E+00	0.00E+00	0.00E+00	2.74E-06	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00
2221	381440.12	3734747.69	1.79E-05	0.00E+00	0.00E+00	0.00E+00	2.75E-06	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00
2222	381450.12	3734747.69	1.79E-05	0.00E+00	0.00E+00	0.00E+00	2.76E-06	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00
2223	380320.12	3734757.69	9.69E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00	9.93E-07	0.00E+00	0.00E+00	0.00E+00
2224	380330.12	3734757.69	9.75E-06	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00	9.98E-07	0.00E+00	0.00E+00	0.00E+00
2225	380340.12	3734757.69	9.82E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00
2226	380350.12	3734757.69	9.89E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00
2227	380360.12	3734757.69	9.97E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00
2228	380370.12	3734757.69	1.00E-05	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00
2229	380380.12	3734757.69	1.01E-05	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00
2230	380390.12	3734757.69	1.02E-05	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00
2231	380400.12	3734757.69	1.02E-05	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00
2232	380410.12	3734757.69	1.03E-05	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00
2233	380420.12	3734757.69	1.04E-05	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00
2234	380430.12	3734757.69	1.04E-05	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00
2235	380440.12	3734757.69	1.05E-05	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00
2236	380450.12	3734757.69	1.05E-05	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00
2237	380460.12	3734757.69	1.06E-05	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00
2238	380470.12	3734757.69	1.07E-05	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00
2239	380480.12	3734757.69	1.07E-05	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00
2240	380490.12	3734757.69	1.08E-05	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00
2241	380500.12	3734757.69	1.08E-05	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00
2242	380510.12	3734757.69	1.09E-05	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00
2243	380520.12	3734757.69	1.09E-05	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00
2244	380530.12	3734757.69	1.10E-05	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00
2245	380540.12	3734757.69	1.10E-05	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00
2246	380550.12	3734757.69	1.11E-05	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00

2247	380560.12	3734757.69	1.12E-05	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00
2248	380570.12	3734757.69	1.12E-05	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00
2249	380580.12	3734757.69	1.13E-05	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00
2250	380590.12	3734757.69	1.13E-05	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00
2251	380600.12	3734757.69	1.14E-05	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00
2252	380610.12	3734757.69	1.15E-05	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00
2253	380620.12	3734757.69	1.15E-05	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00
2254	380630.12	3734757.69	1.16E-05	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00
2255	380640.12	3734757.69	1.16E-05	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00
2256	380650.12	3734757.69	1.17E-05	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00
2257	380660.12	3734757.69	1.18E-05	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00
2258	380670.12	3734757.69	1.18E-05	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00
2259	380680.12	3734757.69	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00
2260	380690.12	3734757.69	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00
2261	380700.12	3734757.69	1.20E-05	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00
2262	380710.12	3734757.69	1.21E-05	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00
2263	380720.12	3734757.69	1.21E-05	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00
2264	380730.12	3734757.69	1.22E-05	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00
2265	380740.12	3734757.69	1.22E-05	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00
2266	380750.12	3734757.69	1.23E-05	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00
2267	380760.12	3734757.69	1.24E-05	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00
2268	380770.12	3734757.69	1.24E-05	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00
2269	380780.12	3734757.69	1.25E-05	0.00E+00	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00
2270	380790.12	3734757.69	1.26E-05	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00
2271	380800.12	3734757.69	1.26E-05	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00
2272	380810.12	3734757.69	1.27E-05	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00
2273	380820.12	3734757.69	1.28E-05	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00
2274	380830.12	3734757.69	1.28E-05	0.00E+00	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00
2275	380840.12	3734757.69	1.29E-05	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00
2276	380850.12	3734757.69	1.30E-05	0.00E+00	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00
2277	380860.12	3734757.69	1.31E-05	0.00E+00	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00
2278	380870.12	3734757.69	1.31E-05	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00
2279	380880.12	3734757.69	1.32E-05	0.00E+00	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00
2280	380890.12	3734757.69	1.33E-05	0.00E+00	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00
2281	380900.12	3734757.69	1.34E-05	0.00E+00	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00
2282	380910.12	3734757.69	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00
2283	380920.12	3734757.69	1.36E-05	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00
2284	380930.12	3734757.69	1.37E-05	0.00E+00	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00
2285	380940.12	3734757.69	1.37E-05	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00
2286	380950.12	3734757.69	1.38E-05	0.00E+00	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00
2287	380960.12	3734757.69	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00
2288	380970.12	3734757.69	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00
2289	380980.12	3734757.69	1.40E-05	0.00E+00	0.00E+00	0.00E+00	2.16E-06	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
2290	380990.12	3734757.69	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
2291	381000.12	3734757.69	1.42E-05	0.00E+00	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00
2292	381010.12	3734757.69	1.43E-05	0.00E+00	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00
2293	381020.12	3734757.69	1.44E-05	0.00E+00	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00
2294	381030.12	3734757.69	1.45E-05	0.00E+00	0.00E+00	0.00E+00	2.23E-06	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00
2295	381040.12	3734757.69	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
2296	381050.12	3734757.69	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.26E-06	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00
2297	381060.12	3734757.69	1.48E-05	0.00E+00	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
2298	381070.12	3734757.69	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00
2299	381080.12	3734757.69	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.30E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
2300	381090.12	3734757.69	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
2301	381100.12	3734757.69	1.51E-05	0.00E+00	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
2302	381110.12	3734757.69	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.34E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
2303	381120.12	3734757.69	1.53E-05	0.00E+00	0.00E+00	0.00E+00	2.36E-06	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00
2304	381130.12	3734757.69	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.37E-06	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00
2305	381140.12	3734757.69	1.55E-05	0.00E+00	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00
2306	381150.12	3734757.69	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.40E-06	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00
2307	381160.12	3734757.69	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.41E-06	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00
2308	381170.12	3734757.69	1.57E-05	0.00E+00	0.00E+00	0.00E+00	2.42E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
2309	381180.12	3734757.69	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00
2310	381190.12	3734757.69	1.59E-05	0.00E+00	0.00E+00	0.00E+00	2.45E-06	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00
2311	381200.12	3734757.69	1.59E-05	0.00E+00	0.00E+00	0.00E+00	2.46E-06	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00
2312	381210.12	3734757.69	1.60E-05	0.00E+00	0.00E+00	0.00E+00	2.47E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
2313	381220.12	3734757.69	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.48E-06	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00
2314	381230.12	3734757.69	1.62E-05	0.00E+00	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00
2315	381240.12	3734757.69	1.62E-05	0.00E+00	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00
2316	381250.12	3734757.69	1.63E-05	0.00E+00	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
2317	381260.12	3734757.69	1.64E-05	0.00E+00	0.00E+00	0.00E+00	2.53E-06	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00
2318	381270.12	3734757.69	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
2319	381280.12	3734757.69	1.66E-05	0.00E+00	0.00E+00	0.00E+00	2.55E-06	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00
2320	381290.12	3734757.69	1.66E-05	0.00E+00	0.00E+00	0.00E+00	2.56E-06	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00
2321	381300.12	3734757.69	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
2322	381310.12	3734757.69	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.59E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
2323	381320.12	3734757.69	1.69E-05	0.00E+00	0.00E+00	0.00E+00	2.60E-06	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00
2324	381330.12	3734757.69	1.69E-05	0.00E+00	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
2325	381340.12	3734757.69	1.70E-05	0.00E+00	0.00E+00	0.00E+00	2.63E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
2326	381350.12	3734757.69	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.64E-06	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00
2327	381360.12	3734757.69	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.65E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
2328	381370.12	3734757.69	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.67E-06	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00
2329	381380.12	3734757.69	1.74E-05	0.00E+00	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
2330	381390.12	3734757.69	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.71E-06	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00
2331	381400.12	3734757.69	1.77E-05	0.00E+00	0.00E+00	0.00E+00	2.73E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
2332	381410.12	3734757.69	1.78E-05	0.00E+00	0.00E+00	0.00E+00	2.74E-06	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00
2333	381420.12	3734757.69	1.79E-05	0.00E+00	0.00E+00	0.00E+00	2.76E-06	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00
2334	381430.12	3734757.69	1.80E-05	0.00E+00	0.00E+00	0.00E+00	2.77E-06	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00
2335	381440.12	3734757.69	1.80E-05	0.00E+00	0.00E+00	0.00E+00	2.78E-06	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00
2336	381450.12	3734757.69	1.81E-05	0.00E+00	0.00E+00	0.00E+00	2.78E-06	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00

2337	380320.12	3734767.69	9.73E-06	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00	9.96E-07	0.00E+00	0.00E+00	0.00E+00
2338	380330.12	3734767.69	9.80E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00	1.00E-06	0.00E+00	0.00E+00	0.00E+00
2339	380340.12	3734767.69	9.87E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00
2340	380350.12	3734767.69	9.94E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00
2341	380360.12	3734767.69	1.00E-05	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00
2342	380370.12	3734767.69	1.01E-05	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00
2343	380380.12	3734767.69	1.01E-05	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00
2344	380390.12	3734767.69	1.02E-05	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00
2345	380400.12	3734767.69	1.03E-05	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00
2346	380410.12	3734767.69	1.03E-05	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00
2347	380420.12	3734767.69	1.04E-05	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00
2348	380430.12	3734767.69	1.05E-05	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00
2349	380440.12	3734767.69	1.05E-05	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00
2350	380450.12	3734767.69	1.06E-05	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00
2351	380460.12	3734767.69	1.07E-05	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00
2352	380470.12	3734767.69	1.07E-05	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00
2353	380480.12	3734767.69	1.08E-05	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00
2354	380490.12	3734767.69	1.08E-05	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00
2355	380500.12	3734767.69	1.09E-05	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00
2356	380510.12	3734767.69	1.09E-05	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00
2357	380520.12	3734767.69	1.10E-05	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00
2358	380530.12	3734767.69	1.11E-05	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00
2359	380540.12	3734767.69	1.11E-05	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00
2360	380550.12	3734767.69	1.12E-05	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00
2361	380560.12	3734767.69	1.12E-05	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00
2362	380570.12	3734767.69	1.13E-05	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00
2363	380580.12	3734767.69	1.14E-05	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00
2364	380590.12	3734767.69	1.14E-05	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00
2365	380600.12	3734767.69	1.15E-05	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00
2366	380610.12	3734767.69	1.15E-05	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00
2367	380620.12	3734767.69	1.16E-05	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00
2368	380630.12	3734767.69	1.16E-05	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00
2369	380640.12	3734767.69	1.17E-05	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00
2370	380650.12	3734767.69	1.18E-05	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00
2371	380660.12	3734767.69	1.18E-05	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00
2372	380670.12	3734767.69	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00
2373	380680.12	3734767.69	1.20E-05	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00
2374	380690.12	3734767.69	1.20E-05	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00
2375	380700.12	3734767.69	1.21E-05	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00
2376	380710.12	3734767.69	1.21E-05	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00
2377	380720.12	3734767.69	1.22E-05	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00
2378	380730.12	3734767.69	1.23E-05	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00
2379	380740.12	3734767.69	1.23E-05	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00
2380	380750.12	3734767.69	1.24E-05	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00
2381	380760.12	3734767.69	1.24E-05	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00
2382	380770.12	3734767.69	1.25E-05	0.00E+00	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00
2383	380780.12	3734767.69	1.26E-05	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00
2384	380790.12	3734767.69	1.26E-05	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00
2385	380800.12	3734767.69	1.27E-05	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00
2386	380810.12	3734767.69	1.28E-05	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00
2387	380820.12	3734767.69	1.28E-05	0.00E+00	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00
2388	380830.12	3734767.69	1.29E-05	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00
2389	380840.12	3734767.69	1.30E-05	0.00E+00	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00
2390	380850.12	3734767.69	1.31E-05	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00
2391	380860.12	3734767.69	1.31E-05	0.00E+00	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00
2392	380870.12	3734767.69	1.32E-05	0.00E+00	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00
2393	380880.12	3734767.69	1.33E-05	0.00E+00	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00
2394	380890.12	3734767.69	1.34E-05	0.00E+00	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00
2395	380900.12	3734767.69	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00
2396	380910.12	3734767.69	1.36E-05	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00
2397	380920.12	3734767.69	1.37E-05	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00
2398	380930.12	3734767.69	1.38E-05	0.00E+00	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00
2399	380940.12	3734767.69	1.38E-05	0.00E+00	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00
2400	380950.12	3734767.69	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00
2401	380960.12	3734767.69	1.40E-05	0.00E+00	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00
2402	380970.12	3734767.69	1.40E-05	0.00E+00	0.00E+00	0.00E+00	2.16E-06	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
2403	380980.12	3734767.69	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00
2404	380990.12	3734767.69	1.42E-05	0.00E+00	0.00E+00	0.00E+00	2.19E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00
2405	381000.12	3734767.69	1.43E-05	0.00E+00	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00
2406	381010.12	3734767.69	1.44E-05	0.00E+00	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00
2407	381020.12	3734767.69	1.45E-05	0.00E+00	0.00E+00	0.00E+00	2.24E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
2408	381030.12	3734767.69	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00
2409	381040.12	3734767.69	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
2410	381050.12	3734767.69	1.48E-05	0.00E+00	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
2411	381060.12	3734767.69	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
2412	381070.12	3734767.69	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
2413	381080.12	3734767.69	1.51E-05	0.00E+00	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
2414	381090.12	3734767.69	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
2415	381100.12	3734767.69	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
2416	381110.12	3734767.69	1.53E-05	0.00E+00	0.00E+00	0.00E+00	2.36E-06	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00
2417	381120.12	3734767.69	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00
2418	381130.12	3734767.69	1.55E-05	0.00E+00	0.00E+00	0.00E+00	2.39E-06	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00
2419	381140.12	3734767.69	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.40E-06	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00
2420	381150.12	3734767.69	1.57E-05	0.00E+00	0.00E+00	0.00E+00	2.42E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
2421	381160.12	3734767.69	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
2422	381170.12	3734767.69	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00
2423	381180.12	3734767.69	1.59E-05	0.00E+00	0.00E+00	0.00E+00	2.45E-06	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00
2424	381190.12	3734767.69	1.60E-05	0.00E+00	0.00E+00	0.00E+00	2.47E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
2425	381200.12	3734767.69	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.48E-06	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00
2426	381210.12	3734767.69	1.62E-05	0.00E+00	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00

2427	381220.12	3734767.69	1.62E-05	0.00E+00	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00
2428	381230.12	3734767.69	1.63E-05	0.00E+00	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
2429	381240.12	3734767.69	1.64E-05	0.00E+00	0.00E+00	0.00E+00	2.53E-06	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00
2430	381250.12	3734767.69	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
2431	381260.12	3734767.69	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.55E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
2432	381270.12	3734767.69	1.66E-05	0.00E+00	0.00E+00	0.00E+00	2.56E-06	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00
2433	381280.12	3734767.69	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
2434	381290.12	3734767.69	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.58E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
2435	381300.12	3734767.69	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.60E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
2436	381310.12	3734767.69	1.69E-05	0.00E+00	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00
2437	381320.12	3734767.69	1.70E-05	0.00E+00	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
2438	381330.12	3734767.69	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.63E-06	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00
2439	381340.12	3734767.69	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.64E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
2440	381350.12	3734767.69	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.66E-06	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00
2441	381360.12	3734767.69	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.67E-06	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00
2442	381370.12	3734767.69	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
2443	381380.12	3734767.69	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.71E-06	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00
2444	381390.12	3734767.69	1.77E-05	0.00E+00	0.00E+00	0.00E+00	2.74E-06	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00
2445	381400.12	3734767.69	1.79E-05	0.00E+00	0.00E+00	0.00E+00	2.75E-06	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00
2446	381410.12	3734767.69	1.80E-05	0.00E+00	0.00E+00	0.00E+00	2.77E-06	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00
2447	381420.12	3734767.69	1.80E-05	0.00E+00	0.00E+00	0.00E+00	2.78E-06	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00
2448	381430.12	3734767.69	1.81E-05	0.00E+00	0.00E+00	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00
2449	381440.12	3734767.69	1.82E-05	0.00E+00	0.00E+00	0.00E+00	2.80E-06	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00
2450	381450.12	3734767.69	1.82E-05	0.00E+00	0.00E+00	0.00E+00	2.81E-06	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00
2451	380320.12	3734777.69	9.78E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00	1.00E-06	0.00E+00	0.00E+00	0.00E+00
2452	380330.12	3734777.69	9.83E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00
2453	380340.12	3734777.69	9.90E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00
2454	380350.12	3734777.69	9.97E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00
2455	380360.12	3734777.69	1.00E-05	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00
2456	380370.12	3734777.69	1.01E-05	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00
2457	380380.12	3734777.69	1.02E-05	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00
2458	380390.12	3734777.69	1.03E-05	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00
2459	380400.12	3734777.69	1.03E-05	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00
2460	380410.12	3734777.69	1.04E-05	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00
2461	380420.12	3734777.69	1.05E-05	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00
2462	380430.12	3734777.69	1.05E-05	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00
2463	380440.12	3734777.69	1.06E-05	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00
2464	380450.12	3734777.69	1.07E-05	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00
2465	380460.12	3734777.69	1.07E-05	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00
2466	380470.12	3734777.69	1.08E-05	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00
2467	380480.12	3734777.69	1.08E-05	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00
2468	380490.12	3734777.69	1.09E-05	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00
2469	380500.12	3734777.69	1.09E-05	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00
2470	380510.12	3734777.69	1.10E-05	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00
2471	380520.12	3734777.69	1.11E-05	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00
2472	380530.12	3734777.69	1.11E-05	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00
2473	380540.12	3734777.69	1.12E-05	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00
2474	380550.12	3734777.69	1.12E-05	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00
2475	380560.12	3734777.69	1.13E-05	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00
2476	380570.12	3734777.69	1.14E-05	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00
2477	380580.12	3734777.69	1.14E-05	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00
2478	380590.12	3734777.69	1.15E-05	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00
2479	380600.12	3734777.69	1.15E-05	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00
2480	380610.12	3734777.69	1.16E-05	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00
2481	380620.12	3734777.69	1.17E-05	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00
2482	380630.12	3734777.69	1.17E-05	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00
2483	380640.12	3734777.69	1.18E-05	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00
2484	380650.12	3734777.69	1.18E-05	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00
2485	380660.12	3734777.69	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00
2486	380670.12	3734777.69	1.20E-05	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00
2487	380680.12	3734777.69	1.20E-05	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00
2488	380690.12	3734777.69	1.21E-05	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00
2489	380700.12	3734777.69	1.22E-05	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00
2490	380710.12	3734777.69	1.22E-05	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00
2491	380720.12	3734777.69	1.23E-05	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00
2492	380730.12	3734777.69	1.23E-05	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00
2493	380740.12	3734777.69	1.24E-05	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00
2494	380750.12	3734777.69	1.25E-05	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00
2495	380760.12	3734777.69	1.25E-05	0.00E+00	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00
2496	380770.12	3734777.69	1.26E-05	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00
2497	380780.12	3734777.69	1.27E-05	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00
2498	380790.12	3734777.69	1.27E-05	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00
2499	380800.12	3734777.69	1.28E-05	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00
2500	380810.12	3734777.69	1.28E-05	0.00E+00	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00
2501	380820.12	3734777.69	1.29E-05	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00
2502	380830.12	3734777.69	1.30E-05	0.00E+00	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00
2503	380840.12	3734777.69	1.31E-05	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00
2504	380850.12	3734777.69	1.32E-05	0.00E+00	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00
2505	380860.12	3734777.69	1.33E-05	0.00E+00	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00
2506	380870.12	3734777.69	1.33E-05	0.00E+00	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00
2507	380880.12	3734777.69	1.34E-05	0.00E+00	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00
2508	380890.12	3734777.69	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00
2509	380900.12	3734777.69	1.36E-05	0.00E+00	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00
2510	380910.12	3734777.69	1.37E-05	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00
2511	380920.12	3734777.69	1.38E-05	0.00E+00	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00
2512	380930.12	3734777.69	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00
2513	380940.12	3734777.69	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00
2514	380950.12	3734777.69	1.40E-05	0.00E+00	0.00E+00	0.00E+00	2.16E-06	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
2515	380960.12	3734777.69	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
2516	380970.12	3734777.69	1.42E-05	0.00E+00	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00

2517	380980.12	3734777.69	1.42E-05	0.00E+00	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00
2518	380990.12	3734777.69	1.43E-05	0.00E+00	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00
2519	381000.12	3734777.69	1.44E-05	0.00E+00	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00
2520	381010.12	3734777.69	1.45E-05	0.00E+00	0.00E+00	0.00E+00	2.24E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
2521	381020.12	3734777.69	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00
2522	381030.12	3734777.69	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
2523	381040.12	3734777.69	1.48E-05	0.00E+00	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00
2524	381050.12	3734777.69	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.30E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
2525	381060.12	3734777.69	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
2526	381070.12	3734777.69	1.51E-05	0.00E+00	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
2527	381080.12	3734777.69	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.34E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
2528	381090.12	3734777.69	1.53E-05	0.00E+00	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
2529	381100.12	3734777.69	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.37E-06	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00
2530	381110.12	3734777.69	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00
2531	381120.12	3734777.69	1.55E-05	0.00E+00	0.00E+00	0.00E+00	2.39E-06	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00
2532	381130.12	3734777.69	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.41E-06	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00
2533	381140.12	3734777.69	1.57E-05	0.00E+00	0.00E+00	0.00E+00	2.42E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
2534	381150.12	3734777.69	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00
2535	381160.12	3734777.69	1.59E-05	0.00E+00	0.00E+00	0.00E+00	2.45E-06	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00
2536	381170.12	3734777.69	1.60E-05	0.00E+00	0.00E+00	0.00E+00	2.46E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
2537	381180.12	3734777.69	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.47E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
2538	381190.12	3734777.69	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00
2539	381200.12	3734777.69	1.62E-05	0.00E+00	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00
2540	381210.12	3734777.69	1.63E-05	0.00E+00	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
2541	381220.12	3734777.69	1.64E-05	0.00E+00	0.00E+00	0.00E+00	2.52E-06	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00
2542	381230.12	3734777.69	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
2543	381240.12	3734777.69	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.55E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
2544	381250.12	3734777.69	1.66E-05	0.00E+00	0.00E+00	0.00E+00	2.56E-06	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00
2545	381260.12	3734777.69	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
2546	381270.12	3734777.69	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.58E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
2547	381280.12	3734777.69	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.60E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
2548	381290.12	3734777.69	1.69E-05	0.00E+00	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00
2549	381300.12	3734777.69	1.70E-05	0.00E+00	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
2550	381310.12	3734777.69	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.63E-06	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00
2551	381320.12	3734777.69	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.64E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
2552	381330.12	3734777.69	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.65E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
2553	381340.12	3734777.69	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.67E-06	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00
2554	381350.12	3734777.69	1.74E-05	0.00E+00	0.00E+00	0.00E+00	2.68E-06	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00
2555	381360.12	3734777.69	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.70E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
2556	381370.12	3734777.69	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.71E-06	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00
2557	381380.12	3734777.69	1.77E-05	0.00E+00	0.00E+00	0.00E+00	2.74E-06	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00
2558	381390.12	3734777.69	1.79E-05	0.00E+00	0.00E+00	0.00E+00	2.76E-06	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00
2559	381400.12	3734777.69	1.80E-05	0.00E+00	0.00E+00	0.00E+00	2.78E-06	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00
2560	381410.12	3734777.69	1.81E-05	0.00E+00	0.00E+00	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00
2561	381420.12	3734777.69	1.82E-05	0.00E+00	0.00E+00	0.00E+00	2.81E-06	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00
2562	381430.12	3734777.69	1.83E-05	0.00E+00	0.00E+00	0.00E+00	2.81E-06	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00
2563	381440.12	3734777.69	1.83E-05	0.00E+00	0.00E+00	0.00E+00	2.82E-06	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00
2564	381450.12	3734777.69	1.84E-05	0.00E+00	0.00E+00	0.00E+00	2.83E-06	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00
2565	380320.12	3734787.69	9.82E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00
2566	380330.12	3734787.69	9.89E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00
2567	380340.12	3734787.69	9.95E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00
2568	380350.12	3734787.69	1.00E-05	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00
2569	380360.12	3734787.69	1.01E-05	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00
2570	380370.12	3734787.69	1.02E-05	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00
2571	380380.12	3734787.69	1.02E-05	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00
2572	380390.12	3734787.69	1.03E-05	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00
2573	380400.12	3734787.69	1.04E-05	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00
2574	380410.12	3734787.69	1.04E-05	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00
2575	380420.12	3734787.69	1.05E-05	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00
2576	380430.12	3734787.69	1.06E-05	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00
2577	380440.12	3734787.69	1.07E-05	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00
2578	380450.12	3734787.69	1.07E-05	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00
2579	380460.12	3734787.69	1.08E-05	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00
2580	380470.12	3734787.69	1.08E-05	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00
2581	380480.12	3734787.69	1.09E-05	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00
2582	380490.12	3734787.69	1.10E-05	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00
2583	380500.12	3734787.69	1.10E-05	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00
2584	380510.12	3734787.69	1.11E-05	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00
2585	380520.12	3734787.69	1.11E-05	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00
2586	380530.12	3734787.69	1.12E-05	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00
2587	380540.12	3734787.69	1.12E-05	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00
2588	380550.12	3734787.69	1.13E-05	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00
2589	380560.12	3734787.69	1.14E-05	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00
2590	380570.12	3734787.69	1.14E-05	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00
2591	380580.12	3734787.69	1.15E-05	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00
2592	380590.12	3734787.69	1.15E-05	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00
2593	380600.12	3734787.69	1.16E-05	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00
2594	380610.12	3734787.69	1.17E-05	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00
2595	380620.12	3734787.69	1.17E-05	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00
2596	380630.12	3734787.69	1.18E-05	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00
2597	380640.12	3734787.69	1.18E-05	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00
2598	380650.12	3734787.69	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00
2599	380660.12	3734787.69	1.20E-05	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00
2600	380670.12	3734787.69	1.20E-05	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00
2601	380680.12	3734787.69	1.21E-05	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00
2602	380690.12	3734787.69	1.22E-05	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00
2603	380700.12	3734787.69	1.23E-05	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00
2604	380710.12	3734787.69	1.23E-05	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00
2605	380720.12	3734787.69	1.24E-05	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00
2606	380730.12	3734787.69	1.24E-05	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00

2607	380740.12	3734787.69	1.25E-05	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00
2608	380750.12	3734787.69	1.26E-05	0.00E+00	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00
2609	380760.12	3734787.69	1.26E-05	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00
2610	380770.12	3734787.69	1.27E-05	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00
2611	380780.12	3734787.69	1.27E-05	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00
2612	380790.12	3734787.69	1.28E-05	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00
2613	380800.12	3734787.69	1.29E-05	0.00E+00	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00
2614	380810.12	3734787.69	1.29E-05	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00
2615	380820.12	3734787.69	1.30E-05	0.00E+00	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00
2616	380830.12	3734787.69	1.31E-05	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00
2617	380840.12	3734787.69	1.32E-05	0.00E+00	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00
2618	380850.12	3734787.69	1.33E-05	0.00E+00	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00
2619	380860.12	3734787.69	1.33E-05	0.00E+00	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00
2620	380870.12	3734787.69	1.34E-05	0.00E+00	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00
2621	380880.12	3734787.69	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00
2622	380890.12	3734787.69	1.36E-05	0.00E+00	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00
2623	380900.12	3734787.69	1.37E-05	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00
2624	380910.12	3734787.69	1.38E-05	0.00E+00	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00
2625	380920.12	3734787.69	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00
2626	380930.12	3734787.69	1.40E-05	0.00E+00	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00
2627	380940.12	3734787.69	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
2628	380950.12	3734787.69	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00
2629	380960.12	3734787.69	1.42E-05	0.00E+00	0.00E+00	0.00E+00	2.19E-06	0.00E+00	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00
2630	380970.12	3734787.69	1.43E-05	0.00E+00	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00
2631	380980.12	3734787.69	1.43E-05	0.00E+00	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00
2632	380990.12	3734787.69	1.45E-05	0.00E+00	0.00E+00	0.00E+00	2.23E-06	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00
2633	381000.12	3734787.69	1.45E-05	0.00E+00	0.00E+00	0.00E+00	2.24E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
2634	381010.12	3734787.69	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.26E-06	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00
2635	381020.12	3734787.69	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
2636	381030.12	3734787.69	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00
2637	381040.12	3734787.69	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.30E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
2638	381050.12	3734787.69	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
2639	381060.12	3734787.69	1.51E-05	0.00E+00	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
2640	381070.12	3734787.69	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
2641	381080.12	3734787.69	1.53E-05	0.00E+00	0.00E+00	0.00E+00	2.36E-06	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00
2642	381090.12	3734787.69	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.37E-06	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00
2643	381100.12	3734787.69	1.55E-05	0.00E+00	0.00E+00	0.00E+00	2.39E-06	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00
2644	381110.12	3734787.69	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.40E-06	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00
2645	381120.12	3734787.69	1.57E-05	0.00E+00	0.00E+00	0.00E+00	2.41E-06	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00
2646	381130.12	3734787.69	1.57E-05	0.00E+00	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
2647	381140.12	3734787.69	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00
2648	381150.12	3734787.69	1.59E-05	0.00E+00	0.00E+00	0.00E+00	2.45E-06	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00
2649	381160.12	3734787.69	1.60E-05	0.00E+00	0.00E+00	0.00E+00	2.47E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
2650	381170.12	3734787.69	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.48E-06	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00
2651	381180.12	3734787.69	1.62E-05	0.00E+00	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00
2652	381190.12	3734787.69	1.63E-05	0.00E+00	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
2653	381200.12	3734787.69	1.64E-05	0.00E+00	0.00E+00	0.00E+00	2.52E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
2654	381210.12	3734787.69	1.64E-05	0.00E+00	0.00E+00	0.00E+00	2.53E-06	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00
2655	381220.12	3734787.69	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.55E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
2656	381230.12	3734787.69	1.66E-05	0.00E+00	0.00E+00	0.00E+00	2.56E-06	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00
2657	381240.12	3734787.69	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
2658	381250.12	3734787.69	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.58E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
2659	381260.12	3734787.69	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.60E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
2660	381270.12	3734787.69	1.69E-05	0.00E+00	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00
2661	381280.12	3734787.69	1.70E-05	0.00E+00	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
2662	381290.12	3734787.69	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.63E-06	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00
2663	381300.12	3734787.69	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.64E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
2664	381310.12	3734787.69	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.65E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
2665	381320.12	3734787.69	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.66E-06	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00
2666	381330.12	3734787.69	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.67E-06	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00
2667	381340.12	3734787.69	1.74E-05	0.00E+00	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
2668	381350.12	3734787.69	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.70E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
2669	381360.12	3734787.69	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
2670	381370.12	3734787.69	1.78E-05	0.00E+00	0.00E+00	0.00E+00	2.74E-06	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00
2671	381380.12	3734787.69	1.79E-05	0.00E+00	0.00E+00	0.00E+00	2.76E-06	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00
2672	381390.12	3734787.69	1.81E-05	0.00E+00	0.00E+00	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00
2673	381400.12	3734787.69	1.82E-05	0.00E+00	0.00E+00	0.00E+00	2.81E-06	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00
2674	381410.12	3734787.69	1.83E-05	0.00E+00	0.00E+00	0.00E+00	2.82E-06	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00
2675	381420.12	3734787.69	1.84E-05	0.00E+00	0.00E+00	0.00E+00	2.83E-06	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00
2676	381430.12	3734787.69	1.84E-05	0.00E+00	0.00E+00	0.00E+00	2.84E-06	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00
2677	381440.12	3734787.69	1.85E-05	0.00E+00	0.00E+00	0.00E+00	2.85E-06	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00
2678	381450.12	3734787.69	1.85E-05	0.00E+00	0.00E+00	0.00E+00	2.86E-06	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00
2679	380320.12	3734797.69	9.87E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00
2680	380330.12	3734797.69	9.94E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00
2681	380340.12	3734797.69	1.00E-05	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00
2682	380350.12	3734797.69	1.01E-05	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00
2683	380360.12	3734797.69	1.01E-05	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00
2684	380370.12	3734797.69	1.02E-05	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00
2685	380380.12	3734797.69	1.03E-05	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00
2686	380390.12	3734797.69	1.04E-05	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00
2687	380400.12	3734797.69	1.04E-05	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00
2688	380410.12	3734797.69	1.05E-05	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00
2689	380420.12	3734797.69	1.06E-05	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00
2690	380430.12	3734797.69	1.06E-05	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00
2691	380440.12	3734797.69	1.07E-05	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00
2692	380450.12	3734797.69	1.08E-05	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00
2693	380460.12	3734797.69	1.08E-05	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00
2694	380470.12	3734797.69	1.09E-05	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00
2695	380480.12	3734797.69	1.09E-05	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00
2696	380490.12	3734797.69	1.10E-05	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00

2697	380500.12	3734797.69	1.11E-05	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00
2698	380510.12	3734797.69	1.11E-05	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00
2699	380520.12	3734797.69	1.12E-05	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00
2700	380530.12	3734797.69	1.12E-05	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00
2701	380540.12	3734797.69	1.13E-05	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00
2702	380550.12	3734797.69	1.14E-05	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00
2703	380560.12	3734797.69	1.14E-05	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00
2704	380570.12	3734797.69	1.15E-05	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00
2705	380580.12	3734797.69	1.15E-05	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00
2706	380590.12	3734797.69	1.16E-05	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00
2707	380600.12	3734797.69	1.17E-05	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00
2708	380610.12	3734797.69	1.17E-05	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00
2709	380620.12	3734797.69	1.18E-05	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00
2710	380630.12	3734797.69	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00
2711	380640.12	3734797.69	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00
2712	380650.12	3734797.69	1.20E-05	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00
2713	380660.12	3734797.69	1.20E-05	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00
2714	380670.12	3734797.69	1.21E-05	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00
2715	380680.12	3734797.69	1.22E-05	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00
2716	380690.12	3734797.69	1.23E-05	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00
2717	380700.12	3734797.69	1.23E-05	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00
2718	380710.12	3734797.69	1.24E-05	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00
2719	380720.12	3734797.69	1.24E-05	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00
2720	380730.12	3734797.69	1.25E-05	0.00E+00	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00
2721	380740.12	3734797.69	1.26E-05	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00
2722	380750.12	3734797.69	1.26E-05	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00
2723	380760.12	3734797.69	1.27E-05	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00
2724	380770.12	3734797.69	1.28E-05	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00
2725	380780.12	3734797.69	1.28E-05	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00
2726	380790.12	3734797.69	1.29E-05	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00
2727	380800.12	3734797.69	1.30E-05	0.00E+00	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00
2728	380810.12	3734797.69	1.30E-05	0.00E+00	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00
2729	380820.12	3734797.69	1.31E-05	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00
2730	380830.12	3734797.69	1.32E-05	0.00E+00	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00
2731	380840.12	3734797.69	1.33E-05	0.00E+00	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00
2732	380850.12	3734797.69	1.34E-05	0.00E+00	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00
2733	380860.12	3734797.69	1.34E-05	0.00E+00	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00
2734	380870.12	3734797.69	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00
2735	380880.12	3734797.69	1.36E-05	0.00E+00	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00
2736	380890.12	3734797.69	1.37E-05	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00
2737	380900.12	3734797.69	1.38E-05	0.00E+00	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00
2738	380910.12	3734797.69	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00
2739	380920.12	3734797.69	1.40E-05	0.00E+00	0.00E+00	0.00E+00	2.16E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00
2740	380930.12	3734797.69	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
2741	380940.12	3734797.69	1.42E-05	0.00E+00	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00
2742	380950.12	3734797.69	1.42E-05	0.00E+00	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00
2743	380960.12	3734797.69	1.43E-05	0.00E+00	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00
2744	380970.12	3734797.69	1.44E-05	0.00E+00	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00
2745	380980.12	3734797.69	1.45E-05	0.00E+00	0.00E+00	0.00E+00	2.23E-06	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00
2746	380990.12	3734797.69	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
2747	381000.12	3734797.69	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.26E-06	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00
2748	381010.12	3734797.69	1.48E-05	0.00E+00	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
2749	381020.12	3734797.69	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00
2750	381030.12	3734797.69	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
2751	381040.12	3734797.69	1.51E-05	0.00E+00	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
2752	381050.12	3734797.69	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.34E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
2753	381060.12	3734797.69	1.53E-05	0.00E+00	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
2754	381070.12	3734797.69	1.53E-05	0.00E+00	0.00E+00	0.00E+00	2.36E-06	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00
2755	381080.12	3734797.69	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00
2756	381090.12	3734797.69	1.55E-05	0.00E+00	0.00E+00	0.00E+00	2.39E-06	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00
2757	381100.12	3734797.69	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.40E-06	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00
2758	381110.12	3734797.69	1.57E-05	0.00E+00	0.00E+00	0.00E+00	2.42E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
2759	381120.12	3734797.69	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00
2760	381130.12	3734797.69	1.59E-05	0.00E+00	0.00E+00	0.00E+00	2.45E-06	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00
2761	381140.12	3734797.69	1.60E-05	0.00E+00	0.00E+00	0.00E+00	2.46E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
2762	381150.12	3734797.69	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.47E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
2763	381160.12	3734797.69	1.62E-05	0.00E+00	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00
2764	381170.12	3734797.69	1.62E-05	0.00E+00	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00
2765	381180.12	3734797.69	1.63E-05	0.00E+00	0.00E+00	0.00E+00	2.52E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
2766	381190.12	3734797.69	1.64E-05	0.00E+00	0.00E+00	0.00E+00	2.53E-06	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00
2767	381200.12	3734797.69	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
2768	381210.12	3734797.69	1.66E-05	0.00E+00	0.00E+00	0.00E+00	2.56E-06	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00
2769	381220.12	3734797.69	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
2770	381230.12	3734797.69	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.58E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
2771	381240.12	3734797.69	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.59E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
2772	381250.12	3734797.69	1.69E-05	0.00E+00	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00
2773	381260.12	3734797.69	1.70E-05	0.00E+00	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
2774	381270.12	3734797.69	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.63E-06	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00
2775	381280.12	3734797.69	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.64E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
2776	381290.12	3734797.69	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.65E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
2777	381300.12	3734797.69	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.66E-06	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00
2778	381310.12	3734797.69	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.67E-06	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00
2779	381320.12	3734797.69	1.74E-05	0.00E+00	0.00E+00	0.00E+00	2.68E-06	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00
2780	381330.12	3734797.69	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.70E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
2781	381340.12	3734797.69	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.71E-06	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00
2782	381350.12	3734797.69	1.77E-05	0.00E+00	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
2783	381360.12	3734797.69	1.78E-05	0.00E+00	0.00E+00	0.00E+00	2.74E-06	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00
2784	381370.12	3734797.69	1.79E-05	0.00E+00	0.00E+00	0.00E+00	2.76E-06	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00
2785	381380.12	3734797.69	1.81E-05	0.00E+00	0.00E+00	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00
2786	381390.12	3734797.69	1.83E-05	0.00E+00	0.00E+00	0.00E+00	2.82E-06	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00

2787	381400.12	3734797.69	1.84E-05	0.00E+00	0.00E+00	0.00E+00	2.83E-06	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00
2788	381410.12	3734797.69	1.84E-05	0.00E+00	0.00E+00	0.00E+00	2.84E-06	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00
2789	381420.12	3734797.69	1.85E-05	0.00E+00	0.00E+00	0.00E+00	2.85E-06	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00
2790	381430.12	3734797.69	1.86E-05	0.00E+00	0.00E+00	0.00E+00	2.86E-06	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00
2791	381440.12	3734797.69	1.86E-05	0.00E+00	0.00E+00	0.00E+00	2.87E-06	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00
2792	381450.12	3734797.69	1.87E-05	0.00E+00	0.00E+00	0.00E+00	2.88E-06	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00
2793	380320.12	3734807.69	9.92E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00
2794	380330.12	3734807.69	9.99E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00
2795	380340.12	3734807.69	1.01E-05	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00
2796	380350.12	3734807.69	1.01E-05	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00
2797	380360.12	3734807.69	1.02E-05	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00
2798	380370.12	3734807.69	1.03E-05	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00
2799	380380.12	3734807.69	1.03E-05	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00
2800	380390.12	3734807.69	1.04E-05	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00
2801	380400.12	3734807.69	1.05E-05	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00
2802	380410.12	3734807.69	1.05E-05	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00
2803	380420.12	3734807.69	1.06E-05	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00
2804	380430.12	3734807.69	1.07E-05	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00
2805	380440.12	3734807.69	1.08E-05	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00
2806	380450.12	3734807.69	1.08E-05	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00
2807	380460.12	3734807.69	1.09E-05	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00
2808	380470.12	3734807.69	1.09E-05	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00
2809	380480.12	3734807.69	1.10E-05	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00
2810	380490.12	3734807.69	1.11E-05	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00
2811	380500.12	3734807.69	1.11E-05	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00
2812	380510.12	3734807.69	1.12E-05	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00
2813	380520.12	3734807.69	1.12E-05	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00
2814	380530.12	3734807.69	1.13E-05	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00
2815	380540.12	3734807.69	1.14E-05	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00
2816	380550.12	3734807.69	1.14E-05	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00
2817	380560.12	3734807.69	1.15E-05	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00
2818	380570.12	3734807.69	1.15E-05	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00
2819	380580.12	3734807.69	1.16E-05	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00
2820	380590.12	3734807.69	1.17E-05	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00
2821	380600.12	3734807.69	1.18E-05	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00
2822	380610.12	3734807.69	1.18E-05	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00
2823	380620.12	3734807.69	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00
2824	380630.12	3734807.69	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00
2825	380640.12	3734807.69	1.20E-05	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00
2826	380650.12	3734807.69	1.21E-05	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00
2827	380660.12	3734807.69	1.21E-05	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00
2828	380670.12	3734807.69	1.22E-05	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00
2829	380680.12	3734807.69	1.23E-05	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00
2830	380690.12	3734807.69	1.23E-05	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00
2831	380700.12	3734807.69	1.24E-05	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00
2832	380710.12	3734807.69	1.25E-05	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00
2833	380720.12	3734807.69	1.25E-05	0.00E+00	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00
2834	380730.12	3734807.69	1.26E-05	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00
2835	380740.12	3734807.69	1.27E-05	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00
2836	380750.12	3734807.69	1.27E-05	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00
2837	380760.12	3734807.69	1.28E-05	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00
2838	380770.12	3734807.69	1.28E-05	0.00E+00	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00
2839	380780.12	3734807.69	1.29E-05	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00
2840	380790.12	3734807.69	1.30E-05	0.00E+00	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00
2841	380800.12	3734807.69	1.30E-05	0.00E+00	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00
2842	380810.12	3734807.69	1.31E-05	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00
2843	380820.12	3734807.69	1.32E-05	0.00E+00	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00
2844	380830.12	3734807.69	1.33E-05	0.00E+00	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00
2845	380840.12	3734807.69	1.34E-05	0.00E+00	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00
2846	380850.12	3734807.69	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00
2847	380860.12	3734807.69	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00
2848	380870.12	3734807.69	1.36E-05	0.00E+00	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00
2849	380880.12	3734807.69	1.37E-05	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00
2850	380890.12	3734807.69	1.38E-05	0.00E+00	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00
2851	380900.12	3734807.69	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00
2852	380910.12	3734807.69	1.40E-05	0.00E+00	0.00E+00	0.00E+00	2.16E-06	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
2853	380920.12	3734807.69	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00
2854	380930.12	3734807.69	1.42E-05	0.00E+00	0.00E+00	0.00E+00	2.19E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00
2855	380940.12	3734807.69	1.43E-05	0.00E+00	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00
2856	380950.12	3734807.69	1.44E-05	0.00E+00	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00
2857	380960.12	3734807.69	1.45E-05	0.00E+00	0.00E+00	0.00E+00	2.23E-06	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00
2858	380970.12	3734807.69	1.45E-05	0.00E+00	0.00E+00	0.00E+00	2.24E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
2859	380980.12	3734807.69	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00
2860	380990.12	3734807.69	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
2861	381000.12	3734807.69	1.48E-05	0.00E+00	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00
2862	381010.12	3734807.69	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.30E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
2863	381020.12	3734807.69	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
2864	381030.12	3734807.69	1.51E-05	0.00E+00	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
2865	381040.12	3734807.69	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
2866	381050.12	3734807.69	1.53E-05	0.00E+00	0.00E+00	0.00E+00	2.36E-06	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00
2867	381060.12	3734807.69	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.37E-06	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00
2868	381070.12	3734807.69	1.55E-05	0.00E+00	0.00E+00	0.00E+00	2.39E-06	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00
2869	381080.12	3734807.69	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.40E-06	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00
2870	381090.12	3734807.69	1.57E-05	0.00E+00	0.00E+00	0.00E+00	2.41E-06	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00
2871	381100.12	3734807.69	1.57E-05	0.00E+00	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
2872	381110.12	3734807.69	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00
2873	381120.12	3734807.69	1.59E-05	0.00E+00	0.00E+00	0.00E+00	2.45E-06	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00
2874	381130.12	3734807.69	1.60E-05	0.00E+00	0.00E+00	0.00E+00	2.47E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
2875	381140.12	3734807.69	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.48E-06	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00
2876	381150.12	3734807.69	1.62E-05	0.00E+00	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00

2877	381160.12	3734807.69	1.63E-05	0.00E+00	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
2878	381170.12	3734807.69	1.64E-05	0.00E+00	0.00E+00	0.00E+00	2.53E-06	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00
2879	381180.12	3734807.69	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
2880	381190.12	3734807.69	1.66E-05	0.00E+00	0.00E+00	0.00E+00	2.55E-06	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00
2881	381200.12	3734807.69	1.66E-05	0.00E+00	0.00E+00	0.00E+00	2.56E-06	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00
2882	381210.12	3734807.69	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.58E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
2883	381220.12	3734807.69	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.59E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
2884	381230.12	3734807.69	1.69E-05	0.00E+00	0.00E+00	0.00E+00	2.60E-06	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00
2885	381240.12	3734807.69	1.70E-05	0.00E+00	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
2886	381250.12	3734807.69	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.63E-06	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00
2887	381260.12	3734807.69	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.64E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
2888	381270.12	3734807.69	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.65E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
2889	381280.12	3734807.69	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.67E-06	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00
2890	381290.12	3734807.69	1.74E-05	0.00E+00	0.00E+00	0.00E+00	2.68E-06	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00
2891	381300.12	3734807.69	1.74E-05	0.00E+00	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
2892	381310.12	3734807.69	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.70E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
2893	381320.12	3734807.69	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.71E-06	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00
2894	381330.12	3734807.69	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
2895	381340.12	3734807.69	1.77E-05	0.00E+00	0.00E+00	0.00E+00	2.73E-06	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00
2896	381350.12	3734807.69	1.78E-05	0.00E+00	0.00E+00	0.00E+00	2.75E-06	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00
2897	381360.12	3734807.69	1.79E-05	0.00E+00	0.00E+00	0.00E+00	2.76E-06	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00
2898	381370.12	3734807.69	1.81E-05	0.00E+00	0.00E+00	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00
2899	381380.12	3734807.69	1.83E-05	0.00E+00	0.00E+00	0.00E+00	2.81E-06	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00
2900	381390.12	3734807.69	1.84E-05	0.00E+00	0.00E+00	0.00E+00	2.84E-06	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00
2901	381400.12	3734807.69	1.86E-05	0.00E+00	0.00E+00	0.00E+00	2.86E-06	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00
2902	381410.12	3734807.69	1.86E-05	0.00E+00	0.00E+00	0.00E+00	2.87E-06	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00
2903	381420.12	3734807.69	1.87E-05	0.00E+00	0.00E+00	0.00E+00	2.88E-06	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00
2904	381430.12	3734807.69	1.87E-05	0.00E+00	0.00E+00	0.00E+00	2.89E-06	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00
2905	381440.12	3734807.69	1.88E-05	0.00E+00	0.00E+00	0.00E+00	2.90E-06	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00
2906	380320.12	3734817.69	9.97E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00
2907	380330.12	3734817.69	1.00E-05	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00
2908	380340.12	3734817.69	1.01E-05	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00
2909	380350.12	3734817.69	1.02E-05	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00
2910	380360.12	3734817.69	1.03E-05	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00
2911	380370.12	3734817.69	1.03E-05	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00
2912	380380.12	3734817.69	1.04E-05	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00
2913	380390.12	3734817.69	1.04E-05	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00
2914	380400.12	3734817.69	1.05E-05	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00
2915	380410.12	3734817.69	1.06E-05	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00
2916	380420.12	3734817.69	1.07E-05	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00
2917	380430.12	3734817.69	1.07E-05	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00
2918	380440.12	3734817.69	1.08E-05	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00
2919	380450.12	3734817.69	1.09E-05	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00
2920	380460.12	3734817.69	1.09E-05	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00
2921	380470.12	3734817.69	1.10E-05	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00
2922	380480.12	3734817.69	1.11E-05	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00
2923	380490.12	3734817.69	1.11E-05	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00
2924	380500.12	3734817.69	1.12E-05	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00
2925	380510.12	3734817.69	1.12E-05	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00
2926	380520.12	3734817.69	1.13E-05	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00
2927	380530.12	3734817.69	1.14E-05	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00
2928	380540.12	3734817.69	1.14E-05	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00
2929	380550.12	3734817.69	1.15E-05	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00
2930	380560.12	3734817.69	1.16E-05	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00
2931	380570.12	3734817.69	1.16E-05	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00
2932	380580.12	3734817.69	1.17E-05	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00
2933	380590.12	3734817.69	1.18E-05	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00
2934	380600.12	3734817.69	1.18E-05	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00
2935	380610.12	3734817.69	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00
2936	380620.12	3734817.69	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00
2937	380630.12	3734817.69	1.20E-05	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00
2938	380640.12	3734817.69	1.21E-05	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00
2939	380650.12	3734817.69	1.22E-05	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00
2940	380660.12	3734817.69	1.22E-05	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00
2941	380670.12	3734817.69	1.23E-05	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00
2942	380680.12	3734817.69	1.24E-05	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00
2943	380690.12	3734817.69	1.24E-05	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00
2944	380700.12	3734817.69	1.25E-05	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00
2945	380710.12	3734817.69	1.26E-05	0.00E+00	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00
2946	380720.12	3734817.69	1.26E-05	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00
2947	380730.12	3734817.69	1.27E-05	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00
2948	380740.12	3734817.69	1.27E-05	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00
2949	380750.12	3734817.69	1.28E-05	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00
2950	380760.12	3734817.69	1.28E-05	0.00E+00	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00
2951	380770.12	3734817.69	1.29E-05	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00
2952	380780.12	3734817.69	1.30E-05	0.00E+00	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00
2953	380790.12	3734817.69	1.31E-05	0.00E+00	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00
2954	380800.12	3734817.69	1.31E-05	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00
2955	380810.12	3734817.69	1.32E-05	0.00E+00	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00
2956	380820.12	3734817.69	1.33E-05	0.00E+00	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00
2957	380830.12	3734817.69	1.34E-05	0.00E+00	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00
2958	380840.12	3734817.69	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00
2959	380850.12	3734817.69	1.36E-05	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00
2960	380860.12	3734817.69	1.37E-05	0.00E+00	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00
2961	380870.12	3734817.69	1.37E-05	0.00E+00	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00
2962	380880.12	3734817.69	1.38E-05	0.00E+00	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00
2963	380890.12	3734817.69	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00
2964	380900.12	3734817.69	1.40E-05	0.00E+00	0.00E+00	0.00E+00	2.16E-06	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
2965	380910.12	3734817.69	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00
2966	380920.12	3734817.69	1.42E-05	0.00E+00	0.00E+00	0.00E+00	2.19E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00

2967	380930.12	3734817.69	1.43E-05	0.00E+00	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00
2968	380940.12	3734817.69	1.44E-05	0.00E+00	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00
2969	380950.12	3734817.69	1.45E-05	0.00E+00	0.00E+00	0.00E+00	2.24E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
2970	380960.12	3734817.69	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
2971	380970.12	3734817.69	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.26E-06	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00
2972	380980.12	3734817.69	1.48E-05	0.00E+00	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
2973	380990.12	3734817.69	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00
2974	381000.12	3734817.69	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.30E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
2975	381010.12	3734817.69	1.51E-05	0.00E+00	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
2976	381020.12	3734817.69	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.34E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
2977	381030.12	3734817.69	1.53E-05	0.00E+00	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
2978	381040.12	3734817.69	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.37E-06	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00
2979	381050.12	3734817.69	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00
2980	381060.12	3734817.69	1.55E-05	0.00E+00	0.00E+00	0.00E+00	2.39E-06	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00
2981	381070.12	3734817.69	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.40E-06	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00
2982	381080.12	3734817.69	1.57E-05	0.00E+00	0.00E+00	0.00E+00	2.42E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
2983	381090.12	3734817.69	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00
2984	381100.12	3734817.69	1.59E-05	0.00E+00	0.00E+00	0.00E+00	2.45E-06	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00
2985	381110.12	3734817.69	1.60E-05	0.00E+00	0.00E+00	0.00E+00	2.46E-06	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00
2986	381120.12	3734817.69	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.47E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
2987	381130.12	3734817.69	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00
2988	381140.12	3734817.69	1.62E-05	0.00E+00	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00
2989	381150.12	3734817.69	1.63E-05	0.00E+00	0.00E+00	0.00E+00	2.52E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
2990	381160.12	3734817.69	1.64E-05	0.00E+00	0.00E+00	0.00E+00	2.53E-06	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00
2991	381170.12	3734817.69	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.55E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
2992	381180.12	3734817.69	1.66E-05	0.00E+00	0.00E+00	0.00E+00	2.56E-06	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00
2993	381190.12	3734817.69	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
2994	381200.12	3734817.69	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.59E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
2995	381210.12	3734817.69	1.69E-05	0.00E+00	0.00E+00	0.00E+00	2.60E-06	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00
2996	381220.12	3734817.69	1.70E-05	0.00E+00	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
2997	381230.12	3734817.69	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.63E-06	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00
2998	381240.12	3734817.69	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.64E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
2999	381250.12	3734817.69	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.65E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
3000	381260.12	3734817.69	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.67E-06	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00
3001	381270.12	3734817.69	1.74E-05	0.00E+00	0.00E+00	0.00E+00	2.68E-06	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00
3002	381280.12	3734817.69	1.74E-05	0.00E+00	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
3003	381290.12	3734817.69	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.70E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
3004	381300.12	3734817.69	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.71E-06	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00
3005	381310.12	3734817.69	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
3006	381320.12	3734817.69	1.77E-05	0.00E+00	0.00E+00	0.00E+00	2.73E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
3007	381330.12	3734817.69	1.78E-05	0.00E+00	0.00E+00	0.00E+00	2.74E-06	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00
3008	381340.12	3734817.69	1.79E-05	0.00E+00	0.00E+00	0.00E+00	2.76E-06	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00
3009	381350.12	3734817.69	1.80E-05	0.00E+00	0.00E+00	0.00E+00	2.77E-06	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00
3010	381360.12	3734817.69	1.81E-05	0.00E+00	0.00E+00	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00
3011	381370.12	3734817.69	1.83E-05	0.00E+00	0.00E+00	0.00E+00	2.81E-06	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00
3012	381380.12	3734817.69	1.84E-05	0.00E+00	0.00E+00	0.00E+00	2.84E-06	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00
3013	381390.12	3734817.69	1.86E-05	0.00E+00	0.00E+00	0.00E+00	2.87E-06	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00
3014	381400.12	3734817.69	1.87E-05	0.00E+00	0.00E+00	0.00E+00	2.89E-06	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00
3015	380330.12	3734827.69	1.01E-05	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00
3016	380340.12	3734827.69	1.02E-05	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00
3017	380350.12	3734827.69	1.02E-05	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00
3018	380360.12	3734827.69	1.03E-05	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00
3019	380370.12	3734827.69	1.04E-05	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00
3020	380380.12	3734827.69	1.04E-05	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00
3021	380390.12	3734827.69	1.05E-05	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00
3022	380400.12	3734827.69	1.06E-05	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00
3023	380410.12	3734827.69	1.07E-05	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00
3024	380420.12	3734827.69	1.07E-05	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00
3025	380430.12	3734827.69	1.08E-05	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00
3026	380440.12	3734827.69	1.09E-05	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00
3027	380450.12	3734827.69	1.09E-05	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00
3028	380460.12	3734827.69	1.10E-05	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00
3029	380470.12	3734827.69	1.11E-05	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00
3030	380480.12	3734827.69	1.11E-05	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00
3031	380490.12	3734827.69	1.12E-05	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00
3032	380500.12	3734827.69	1.13E-05	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00
3033	380510.12	3734827.69	1.13E-05	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00
3034	380520.12	3734827.69	1.14E-05	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00
3035	380530.12	3734827.69	1.14E-05	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00
3036	380540.12	3734827.69	1.15E-05	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00
3037	380550.12	3734827.69	1.16E-05	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00
3038	380560.12	3734827.69	1.16E-05	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00
3039	380570.12	3734827.69	1.17E-05	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00
3040	380580.12	3734827.69	1.18E-05	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00
3041	380590.12	3734827.69	1.18E-05	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00
3042	380600.12	3734827.69	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00
3043	380610.12	3734827.69	1.20E-05	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00
3044	380620.12	3734827.69	1.20E-05	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00
3045	380630.12	3734827.69	1.21E-05	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00
3046	380640.12	3734827.69	1.22E-05	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00
3047	380650.12	3734827.69	1.22E-05	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00
3048	380660.12	3734827.69	1.23E-05	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00
3049	380670.12	3734827.69	1.24E-05	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00
3050	380680.12	3734827.69	1.24E-05	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00
3051	380690.12	3734827.69	1.25E-05	0.00E+00	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00
3052	380700.12	3734827.69	1.26E-05	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00
3053	380710.12	3734827.69	1.26E-05	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00
3054	380720.12	3734827.69	1.27E-05	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00
3055	380730.12	3734827.69	1.28E-05	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00
3056	380740.12	3734827.69	1.28E-05	0.00E+00	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00

3057	380750.12	3734827.69	1.29E-05	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00
3058	380760.12	3734827.69	1.30E-05	0.00E+00	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00
3059	380770.12	3734827.69	1.30E-05	0.00E+00	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00
3060	380780.12	3734827.69	1.31E-05	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00
3061	380790.12	3734827.69	1.32E-05	0.00E+00	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00
3062	380800.12	3734827.69	1.33E-05	0.00E+00	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00
3063	380810.12	3734827.69	1.33E-05	0.00E+00	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00
3064	380820.12	3734827.69	1.34E-05	0.00E+00	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00
3065	380830.12	3734827.69	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00
3066	380840.12	3734827.69	1.36E-05	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00
3067	380850.12	3734827.69	1.37E-05	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00
3068	380860.12	3734827.69	1.38E-05	0.00E+00	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00
3069	380870.12	3734827.69	1.38E-05	0.00E+00	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00
3070	380880.12	3734827.69	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00
3071	380890.12	3734827.69	1.40E-05	0.00E+00	0.00E+00	0.00E+00	2.16E-06	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
3072	380900.12	3734827.69	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00
3073	380910.12	3734827.69	1.42E-05	0.00E+00	0.00E+00	0.00E+00	2.19E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00
3074	380920.12	3734827.69	1.43E-05	0.00E+00	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00
3075	380930.12	3734827.69	1.44E-05	0.00E+00	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00
3076	380940.12	3734827.69	1.45E-05	0.00E+00	0.00E+00	0.00E+00	2.24E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
3077	380950.12	3734827.69	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00
3078	380960.12	3734827.69	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
3079	380970.12	3734827.69	1.48E-05	0.00E+00	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00
3080	380980.12	3734827.69	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
3081	380990.12	3734827.69	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
3082	381000.12	3734827.69	1.51E-05	0.00E+00	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
3083	381010.12	3734827.69	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.34E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
3084	381020.12	3734827.69	1.53E-05	0.00E+00	0.00E+00	0.00E+00	2.36E-06	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00
3085	381030.12	3734827.69	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00
3086	381040.12	3734827.69	1.55E-05	0.00E+00	0.00E+00	0.00E+00	2.39E-06	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00
3087	381050.12	3734827.69	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.40E-06	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00
3088	381060.12	3734827.69	1.57E-05	0.00E+00	0.00E+00	0.00E+00	2.42E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
3089	381070.12	3734827.69	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
3090	381080.12	3734827.69	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00
3091	381090.12	3734827.69	1.59E-05	0.00E+00	0.00E+00	0.00E+00	2.46E-06	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00
3092	381100.12	3734827.69	1.60E-05	0.00E+00	0.00E+00	0.00E+00	2.47E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
3093	381110.12	3734827.69	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.48E-06	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00
3094	381120.12	3734827.69	1.62E-05	0.00E+00	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00
3095	381130.12	3734827.69	1.63E-05	0.00E+00	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
3096	381140.12	3734827.69	1.64E-05	0.00E+00	0.00E+00	0.00E+00	2.53E-06	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00
3097	381150.12	3734827.69	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
3098	381160.12	3734827.69	1.66E-05	0.00E+00	0.00E+00	0.00E+00	2.56E-06	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00
3099	381170.12	3734827.69	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
3100	381180.12	3734827.69	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.58E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
3101	381190.12	3734827.69	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.60E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
3102	381200.12	3734827.69	1.69E-05	0.00E+00	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00
3103	381210.12	3734827.69	1.70E-05	0.00E+00	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
3104	381220.12	3734827.69	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.64E-06	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00
3105	381230.12	3734827.69	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.65E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
3106	381240.12	3734827.69	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.67E-06	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00
3107	381250.12	3734827.69	1.74E-05	0.00E+00	0.00E+00	0.00E+00	2.68E-06	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00
3108	381260.12	3734827.69	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
3109	381270.12	3734827.69	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.70E-06	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00
3110	381280.12	3734827.69	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.71E-06	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00
3111	381290.12	3734827.69	1.77E-05	0.00E+00	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
3112	381300.12	3734827.69	1.77E-05	0.00E+00	0.00E+00	0.00E+00	2.74E-06	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00
3113	381310.12	3734827.69	1.78E-05	0.00E+00	0.00E+00	0.00E+00	2.75E-06	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00
3114	381320.12	3734827.69	1.79E-05	0.00E+00	0.00E+00	0.00E+00	2.76E-06	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00
3115	381330.12	3734827.69	1.80E-05	0.00E+00	0.00E+00	0.00E+00	2.77E-06	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00
3116	381340.12	3734827.69	1.81E-05	0.00E+00	0.00E+00	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00
3117	380340.12	3734837.69	1.02E-05	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00
3118	380350.12	3734837.69	1.03E-05	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00
3119	380360.12	3734837.69	1.04E-05	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00
3120	380370.12	3734837.69	1.04E-05	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00
3121	380380.12	3734837.69	1.05E-05	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00
3122	380390.12	3734837.69	1.06E-05	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00
3123	380400.12	3734837.69	1.06E-05	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00
3124	380410.12	3734837.69	1.07E-05	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00
3125	380420.12	3734837.69	1.08E-05	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00
3126	380430.12	3734837.69	1.08E-05	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00
3127	380440.12	3734837.69	1.09E-05	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00
3128	380450.12	3734837.69	1.10E-05	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00
3129	380460.12	3734837.69	1.10E-05	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00
3130	380470.12	3734837.69	1.11E-05	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00
3131	380480.12	3734837.69	1.12E-05	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00
3132	380490.12	3734837.69	1.13E-05	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00
3133	380500.12	3734837.69	1.13E-05	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00
3134	380510.12	3734837.69	1.14E-05	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00
3135	380520.12	3734837.69	1.15E-05	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00
3136	380530.12	3734837.69	1.15E-05	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00
3137	380540.12	3734837.69	1.16E-05	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00
3138	380550.12	3734837.69	1.17E-05	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00
3139	380560.12	3734837.69	1.17E-05	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00
3140	380570.12	3734837.69	1.18E-05	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00
3141	380580.12	3734837.69	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00
3142	380590.12	3734837.69	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00
3143	380600.12	3734837.69	1.20E-05	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00
3144	380610.12	3734837.69	1.21E-05	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00
3145	380620.12	3734837.69	1.21E-05	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00
3146	380630.12	3734837.69	1.22E-05	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00

3147	380640.12	3734837.69	1.23E-05	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00
3148	380650.12	3734837.69	1.23E-05	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00
3149	380660.12	3734837.69	1.24E-05	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00
3150	380670.12	3734837.69	1.25E-05	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00
3151	380680.12	3734837.69	1.25E-05	0.00E+00	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00
3152	380690.12	3734837.69	1.26E-05	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00
3153	380700.12	3734837.69	1.27E-05	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00
3154	380710.12	3734837.69	1.27E-05	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00
3155	380720.12	3734837.69	1.28E-05	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00
3156	380730.12	3734837.69	1.29E-05	0.00E+00	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00
3157	380740.12	3734837.69	1.29E-05	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00
3158	380750.12	3734837.69	1.30E-05	0.00E+00	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00
3159	380760.12	3734837.69	1.31E-05	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00
3160	380770.12	3734837.69	1.31E-05	0.00E+00	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00
3161	380780.12	3734837.69	1.32E-05	0.00E+00	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00
3162	380790.12	3734837.69	1.33E-05	0.00E+00	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00
3163	380800.12	3734837.69	1.34E-05	0.00E+00	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00
3164	380810.12	3734837.69	1.34E-05	0.00E+00	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00
3165	380820.12	3734837.69	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00
3166	380830.12	3734837.69	1.36E-05	0.00E+00	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00
3167	380840.12	3734837.69	1.37E-05	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00
3168	380850.12	3734837.69	1.38E-05	0.00E+00	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00
3169	380860.12	3734837.69	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00
3170	380870.12	3734837.69	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00
3171	380880.12	3734837.69	1.40E-05	0.00E+00	0.00E+00	0.00E+00	2.16E-06	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
3172	380890.12	3734837.69	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00
3173	380900.12	3734837.69	1.42E-05	0.00E+00	0.00E+00	0.00E+00	2.19E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00
3174	380910.12	3734837.69	1.43E-05	0.00E+00	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00
3175	380920.12	3734837.69	1.44E-05	0.00E+00	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00
3176	380930.12	3734837.69	1.45E-05	0.00E+00	0.00E+00	0.00E+00	2.24E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
3177	380940.12	3734837.69	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00
3178	380950.12	3734837.69	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
3179	380960.12	3734837.69	1.48E-05	0.00E+00	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00
3180	380970.12	3734837.69	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.30E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
3181	380980.12	3734837.69	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
3182	380990.12	3734837.69	1.51E-05	0.00E+00	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
3183	381000.12	3734837.69	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.34E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
3184	381010.12	3734837.69	1.53E-05	0.00E+00	0.00E+00	0.00E+00	2.36E-06	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00
3185	381020.12	3734837.69	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00
3186	381030.12	3734837.69	1.55E-05	0.00E+00	0.00E+00	0.00E+00	2.39E-06	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00
3187	381040.12	3734837.69	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.41E-06	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00
3188	381050.12	3734837.69	1.57E-05	0.00E+00	0.00E+00	0.00E+00	2.42E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
3189	381060.12	3734837.69	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00
3190	381070.12	3734837.69	1.59E-05	0.00E+00	0.00E+00	0.00E+00	2.45E-06	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00
3191	381080.12	3734837.69	1.60E-05	0.00E+00	0.00E+00	0.00E+00	2.47E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
3192	381090.12	3734837.69	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.48E-06	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00
3193	381100.12	3734837.69	1.62E-05	0.00E+00	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00
3194	381110.12	3734837.69	1.63E-05	0.00E+00	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
3195	381120.12	3734837.69	1.64E-05	0.00E+00	0.00E+00	0.00E+00	2.52E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
3196	381130.12	3734837.69	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
3197	381140.12	3734837.69	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.55E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
3198	381150.12	3734837.69	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
3199	381160.12	3734837.69	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.58E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
3200	381170.12	3734837.69	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.59E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
3201	381180.12	3734837.69	1.69E-05	0.00E+00	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00
3202	381190.12	3734837.69	1.70E-05	0.00E+00	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
3203	381200.12	3734837.69	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.64E-06	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00
3204	381210.12	3734837.69	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.65E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
3205	381220.12	3734837.69	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.66E-06	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00
3206	381230.12	3734837.69	1.74E-05	0.00E+00	0.00E+00	0.00E+00	2.68E-06	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00
3207	381240.12	3734837.69	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
3208	381250.12	3734837.69	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.70E-06	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00
3209	381260.12	3734837.69	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
3210	381270.12	3734837.69	1.77E-05	0.00E+00	0.00E+00	0.00E+00	2.73E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
3211	381280.12	3734837.69	1.78E-05	0.00E+00	0.00E+00	0.00E+00	2.74E-06	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00
3212	381290.12	3734837.69	1.79E-05	0.00E+00	0.00E+00	0.00E+00	2.75E-06	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00
3213	381300.12	3734837.69	1.79E-05	0.00E+00	0.00E+00	0.00E+00	2.76E-06	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00
3214	381310.12	3734837.69	1.80E-05	0.00E+00	0.00E+00	0.00E+00	2.77E-06	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00
3215	381320.12	3734837.69	1.81E-05	0.00E+00	0.00E+00	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00
3216	381330.12	3734837.69	1.81E-05	0.00E+00	0.00E+00	0.00E+00	2.80E-06	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00
3217	381340.12	3734837.69	1.83E-05	0.00E+00	0.00E+00	0.00E+00	2.82E-06	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00
3218	380360.12	3734847.69	1.04E-05	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00
3219	380370.12	3734847.69	1.05E-05	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00
3220	380380.12	3734847.69	1.05E-05	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00
3221	380390.12	3734847.69	1.06E-05	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00
3222	380400.12	3734847.69	1.07E-05	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00
3223	380410.12	3734847.69	1.08E-05	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00
3224	380420.12	3734847.69	1.08E-05	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00
3225	380430.12	3734847.69	1.09E-05	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00
3226	380440.12	3734847.69	1.10E-05	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00
3227	380450.12	3734847.69	1.10E-05	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00
3228	380460.12	3734847.69	1.11E-05	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00
3229	380470.12	3734847.69	1.12E-05	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00
3230	380480.12	3734847.69	1.12E-05	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00
3231	380490.12	3734847.69	1.13E-05	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00
3232	380500.12	3734847.69	1.14E-05	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00
3233	380510.12	3734847.69	1.15E-05	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00
3234	380520.12	3734847.69	1.15E-05	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00
3235	380530.12	3734847.69	1.16E-05	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00
3236	380540.12	3734847.69	1.17E-05	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00

3237	380550.12	3734847.69	1.17E-05	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00
3238	380560.12	3734847.69	1.18E-05	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00
3239	380570.12	3734847.69	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00
3240	380580.12	3734847.69	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00
3241	380590.12	3734847.69	1.20E-05	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00
3242	380600.12	3734847.69	1.21E-05	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00
3243	380610.12	3734847.69	1.22E-05	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00
3244	380620.12	3734847.69	1.22E-05	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00
3245	380630.12	3734847.69	1.23E-05	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00
3246	380640.12	3734847.69	1.24E-05	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00
3247	380650.12	3734847.69	1.24E-05	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00
3248	380660.12	3734847.69	1.25E-05	0.00E+00	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00
3249	380670.12	3734847.69	1.26E-05	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00
3250	380680.12	3734847.69	1.26E-05	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00
3251	380690.12	3734847.69	1.27E-05	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00
3252	380700.12	3734847.69	1.28E-05	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00
3253	380710.12	3734847.69	1.28E-05	0.00E+00	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00
3254	380720.12	3734847.69	1.29E-05	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00
3255	380730.12	3734847.69	1.30E-05	0.00E+00	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00
3256	380740.12	3734847.69	1.30E-05	0.00E+00	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00
3257	380750.12	3734847.69	1.31E-05	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00
3258	380760.12	3734847.69	1.32E-05	0.00E+00	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00
3259	380770.12	3734847.69	1.33E-05	0.00E+00	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00
3260	380780.12	3734847.69	1.33E-05	0.00E+00	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00
3261	380790.12	3734847.69	1.34E-05	0.00E+00	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00
3262	380800.12	3734847.69	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00
3263	380810.12	3734847.69	1.36E-05	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00
3264	380820.12	3734847.69	1.36E-05	0.00E+00	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00
3265	380830.12	3734847.69	1.37E-05	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00
3266	380840.12	3734847.69	1.38E-05	0.00E+00	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00
3267	380850.12	3734847.69	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00
3268	380860.12	3734847.69	1.40E-05	0.00E+00	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00
3269	380870.12	3734847.69	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
3270	380880.12	3734847.69	1.42E-05	0.00E+00	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00
3271	380890.12	3734847.69	1.42E-05	0.00E+00	0.00E+00	0.00E+00	2.19E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00
3272	380900.12	3734847.69	1.43E-05	0.00E+00	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00
3273	380910.12	3734847.69	1.44E-05	0.00E+00	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00
3274	380920.12	3734847.69	1.45E-05	0.00E+00	0.00E+00	0.00E+00	2.23E-06	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00
3275	380930.12	3734847.69	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00
3276	380940.12	3734847.69	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
3277	380950.12	3734847.69	1.48E-05	0.00E+00	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00
3278	380960.12	3734847.69	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.30E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
3279	380970.12	3734847.69	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
3280	380980.12	3734847.69	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
3281	380990.12	3734847.69	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
3282	381000.12	3734847.69	1.53E-05	0.00E+00	0.00E+00	0.00E+00	2.36E-06	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00
3283	381010.12	3734847.69	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00
3284	381020.12	3734847.69	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.40E-06	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00
3285	381030.12	3734847.69	1.57E-05	0.00E+00	0.00E+00	0.00E+00	2.42E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
3286	381040.12	3734847.69	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00
3287	381050.12	3734847.69	1.59E-05	0.00E+00	0.00E+00	0.00E+00	2.45E-06	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00
3288	381060.12	3734847.69	1.60E-05	0.00E+00	0.00E+00	0.00E+00	2.46E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
3289	381070.12	3734847.69	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.48E-06	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00
3290	381080.12	3734847.69	1.62E-05	0.00E+00	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00
3291	381090.12	3734847.69	1.63E-05	0.00E+00	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
3292	381100.12	3734847.69	1.64E-05	0.00E+00	0.00E+00	0.00E+00	2.52E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
3293	381110.12	3734847.69	1.64E-05	0.00E+00	0.00E+00	0.00E+00	2.53E-06	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00
3294	381120.12	3734847.69	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.55E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
3295	381130.12	3734847.69	1.66E-05	0.00E+00	0.00E+00	0.00E+00	2.56E-06	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00
3296	381140.12	3734847.69	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
3297	381150.12	3734847.69	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.59E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
3298	381160.12	3734847.69	1.69E-05	0.00E+00	0.00E+00	0.00E+00	2.60E-06	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00
3299	381170.12	3734847.69	1.70E-05	0.00E+00	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
3300	381180.12	3734847.69	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.63E-06	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00
3301	381190.12	3734847.69	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.65E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
3302	381200.12	3734847.69	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.66E-06	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00
3303	381210.12	3734847.69	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.67E-06	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00
3304	381220.12	3734847.69	1.74E-05	0.00E+00	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
3305	381230.12	3734847.69	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.70E-06	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00
3306	381240.12	3734847.69	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
3307	381250.12	3734847.69	1.77E-05	0.00E+00	0.00E+00	0.00E+00	2.73E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
3308	381260.12	3734847.69	1.78E-05	0.00E+00	0.00E+00	0.00E+00	2.74E-06	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00
3309	381270.12	3734847.69	1.79E-05	0.00E+00	0.00E+00	0.00E+00	2.76E-06	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00
3310	381280.12	3734847.69	1.80E-05	0.00E+00	0.00E+00	0.00E+00	2.77E-06	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00
3311	381290.12	3734847.69	1.80E-05	0.00E+00	0.00E+00	0.00E+00	2.78E-06	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00
3312	381300.12	3734847.69	1.81E-05	0.00E+00	0.00E+00	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00
3313	381310.12	3734847.69	1.82E-05	0.00E+00	0.00E+00	0.00E+00	2.80E-06	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00
3314	381320.12	3734847.69	1.83E-05	0.00E+00	0.00E+00	0.00E+00	2.82E-06	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00
3315	381330.12	3734847.69	1.83E-05	0.00E+00	0.00E+00	0.00E+00	2.83E-06	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00
3316	381340.12	3734847.69	1.85E-05	0.00E+00	0.00E+00	0.00E+00	2.85E-06	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00
3317	380370.12	3734857.69	1.05E-05	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00
3318	380380.12	3734857.69	1.06E-05	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00
3319	380390.12	3734857.69	1.07E-05	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00
3320	380400.12	3734857.69	1.07E-05	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00
3321	380410.12	3734857.69	1.08E-05	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00
3322	380420.12	3734857.69	1.09E-05	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00
3323	380430.12	3734857.69	1.09E-05	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00
3324	380440.12	3734857.69	1.10E-05	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00
3325	380450.12	3734857.69	1.11E-05	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00
3326	380460.12	3734857.69	1.12E-05	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00

3327	380470.12	3734857.69	1.12E-05	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00
3328	380480.12	3734857.69	1.13E-05	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00
3329	380490.12	3734857.69	1.14E-05	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00
3330	380500.12	3734857.69	1.15E-05	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00
3331	380510.12	3734857.69	1.15E-05	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00
3332	380520.12	3734857.69	1.16E-05	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00
3333	380530.12	3734857.69	1.17E-05	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00
3334	380540.12	3734857.69	1.18E-05	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00
3335	380550.12	3734857.69	1.18E-05	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00
3336	380560.12	3734857.69	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00
3337	380570.12	3734857.69	1.20E-05	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00
3338	380580.12	3734857.69	1.20E-05	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00
3339	380590.12	3734857.69	1.21E-05	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00
3340	380600.12	3734857.69	1.22E-05	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00
3341	380610.12	3734857.69	1.23E-05	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00
3342	380620.12	3734857.69	1.23E-05	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00
3343	380630.12	3734857.69	1.24E-05	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00
3344	380640.12	3734857.69	1.25E-05	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00
3345	380650.12	3734857.69	1.25E-05	0.00E+00	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00
3346	380660.12	3734857.69	1.26E-05	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00
3347	380670.12	3734857.69	1.27E-05	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00
3348	380680.12	3734857.69	1.27E-05	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00
3349	380690.12	3734857.69	1.28E-05	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00
3350	380700.12	3734857.69	1.29E-05	0.00E+00	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00
3351	380710.12	3734857.69	1.29E-05	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00
3352	380720.12	3734857.69	1.30E-05	0.00E+00	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00
3353	380730.12	3734857.69	1.31E-05	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00
3354	380740.12	3734857.69	1.32E-05	0.00E+00	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00
3355	380750.12	3734857.69	1.32E-05	0.00E+00	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00
3356	380760.12	3734857.69	1.33E-05	0.00E+00	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00
3357	380770.12	3734857.69	1.34E-05	0.00E+00	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00
3358	380780.12	3734857.69	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00
3359	380790.12	3734857.69	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00
3360	380800.12	3734857.69	1.36E-05	0.00E+00	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00
3361	380810.12	3734857.69	1.37E-05	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00
3362	380820.12	3734857.69	1.38E-05	0.00E+00	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00
3363	380830.12	3734857.69	1.38E-05	0.00E+00	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00
3364	380840.12	3734857.69	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00
3365	380850.12	3734857.69	1.40E-05	0.00E+00	0.00E+00	0.00E+00	2.16E-06	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
3366	380860.12	3734857.69	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
3367	380870.12	3734857.69	1.42E-05	0.00E+00	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00
3368	380880.12	3734857.69	1.43E-05	0.00E+00	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00
3369	380890.12	3734857.69	1.43E-05	0.00E+00	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00
3370	380900.12	3734857.69	1.44E-05	0.00E+00	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00
3371	380910.12	3734857.69	1.45E-05	0.00E+00	0.00E+00	0.00E+00	2.23E-06	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00
3372	380920.12	3734857.69	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
3373	380930.12	3734857.69	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
3374	380940.12	3734857.69	1.48E-05	0.00E+00	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00
3375	380950.12	3734857.69	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.30E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
3376	380960.12	3734857.69	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
3377	380970.12	3734857.69	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
3378	380980.12	3734857.69	1.53E-05	0.00E+00	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
3379	380990.12	3734857.69	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.37E-06	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00
3380	381000.12	3734857.69	1.55E-05	0.00E+00	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00
3381	381010.12	3734857.69	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.40E-06	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00
3382	381020.12	3734857.69	1.57E-05	0.00E+00	0.00E+00	0.00E+00	2.42E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
3383	381030.12	3734857.69	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00
3384	381040.12	3734857.69	1.59E-05	0.00E+00	0.00E+00	0.00E+00	2.45E-06	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00
3385	381050.12	3734857.69	1.60E-05	0.00E+00	0.00E+00	0.00E+00	2.47E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
3386	381060.12	3734857.69	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00
3387	381070.12	3734857.69	1.62E-05	0.00E+00	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00
3388	381080.12	3734857.69	1.63E-05	0.00E+00	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
3389	381090.12	3734857.69	1.64E-05	0.00E+00	0.00E+00	0.00E+00	2.53E-06	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00
3390	381100.12	3734857.69	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
3391	381110.12	3734857.69	1.66E-05	0.00E+00	0.00E+00	0.00E+00	2.56E-06	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00
3392	381120.12	3734857.69	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
3393	381130.12	3734857.69	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.58E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
3394	381140.12	3734857.69	1.69E-05	0.00E+00	0.00E+00	0.00E+00	2.60E-06	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00
3395	381150.12	3734857.69	1.70E-05	0.00E+00	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
3396	381160.12	3734857.69	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.63E-06	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00
3397	381170.12	3734857.69	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.64E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
3398	381180.12	3734857.69	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.66E-06	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00
3399	381190.12	3734857.69	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.67E-06	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00
3400	381200.12	3734857.69	1.74E-05	0.00E+00	0.00E+00	0.00E+00	2.68E-06	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00
3401	381210.12	3734857.69	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.70E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
3402	381220.12	3734857.69	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.71E-06	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00
3403	381230.12	3734857.69	1.77E-05	0.00E+00	0.00E+00	0.00E+00	2.73E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
3404	381240.12	3734857.69	1.78E-05	0.00E+00	0.00E+00	0.00E+00	2.74E-06	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00
3405	381250.12	3734857.69	1.79E-05	0.00E+00	0.00E+00	0.00E+00	2.76E-06	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00
3406	381260.12	3734857.69	1.80E-05	0.00E+00	0.00E+00	0.00E+00	2.77E-06	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00
3407	381270.12	3734857.69	1.80E-05	0.00E+00	0.00E+00	0.00E+00	2.78E-06	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00
3408	381280.12	3734857.69	1.81E-05	0.00E+00	0.00E+00	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00
3409	381290.12	3734857.69	1.82E-05	0.00E+00	0.00E+00	0.00E+00	2.81E-06	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00
3410	381300.12	3734857.69	1.83E-05	0.00E+00	0.00E+00	0.00E+00	2.82E-06	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00
3411	381310.12	3734857.69	1.84E-05	0.00E+00	0.00E+00	0.00E+00	2.83E-06	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00
3412	381320.12	3734857.69	1.84E-05	0.00E+00	0.00E+00	0.00E+00	2.84E-06	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00
3413	381330.12	3734857.69	1.85E-05	0.00E+00	0.00E+00	0.00E+00	2.86E-06	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00
3414	381340.12	3734857.69	1.87E-05	0.00E+00	0.00E+00	0.00E+00	2.88E-06	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00
3415	380390.12	3734867.69	1.07E-05	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00
3416	380400.12	3734867.69	1.08E-05	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00

3417	380410.12	3734867.69	1.09E-05	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00
3418	380420.12	3734867.69	1.09E-05	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00
3419	380430.12	3734867.69	1.10E-05	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00
3420	380440.12	3734867.69	1.11E-05	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00
3421	380450.12	3734867.69	1.12E-05	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00
3422	380460.12	3734867.69	1.12E-05	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00
3423	380470.12	3734867.69	1.13E-05	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00
3424	380480.12	3734867.69	1.14E-05	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00
3425	380490.12	3734867.69	1.15E-05	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00
3426	380500.12	3734867.69	1.15E-05	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00
3427	380510.12	3734867.69	1.16E-05	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00
3428	380520.12	3734867.69	1.17E-05	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00
3429	380530.12	3734867.69	1.18E-05	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00
3430	380540.12	3734867.69	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00
3431	380550.12	3734867.69	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00
3432	380560.12	3734867.69	1.20E-05	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00
3433	380570.12	3734867.69	1.21E-05	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00
3434	380580.12	3734867.69	1.21E-05	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00
3435	380590.12	3734867.69	1.22E-05	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00
3436	380600.12	3734867.69	1.23E-05	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00
3437	380610.12	3734867.69	1.24E-05	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00
3438	380620.12	3734867.69	1.24E-05	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00
3439	380630.12	3734867.69	1.25E-05	0.00E+00	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00
3440	380640.12	3734867.69	1.26E-05	0.00E+00	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00
3441	380650.12	3734867.69	1.26E-05	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00
3442	380660.12	3734867.69	1.27E-05	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00
3443	380670.12	3734867.69	1.28E-05	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00
3444	380680.12	3734867.69	1.28E-05	0.00E+00	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00
3445	380690.12	3734867.69	1.29E-05	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00
3446	380700.12	3734867.69	1.30E-05	0.00E+00	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00
3447	380710.12	3734867.69	1.30E-05	0.00E+00	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00
3448	380720.12	3734867.69	1.31E-05	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00
3449	380730.12	3734867.69	1.32E-05	0.00E+00	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00
3450	380740.12	3734867.69	1.33E-05	0.00E+00	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00
3451	380750.12	3734867.69	1.34E-05	0.00E+00	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00
3452	380760.12	3734867.69	1.34E-05	0.00E+00	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00
3453	380770.12	3734867.69	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00
3454	380780.12	3734867.69	1.36E-05	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00
3455	380790.12	3734867.69	1.36E-05	0.00E+00	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00
3456	380800.12	3734867.69	1.37E-05	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00
3457	380810.12	3734867.69	1.38E-05	0.00E+00	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00
3458	380820.12	3734867.69	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00
3459	380830.12	3734867.69	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00
3460	380840.12	3734867.69	1.40E-05	0.00E+00	0.00E+00	0.00E+00	2.16E-06	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
3461	380850.12	3734867.69	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00
3462	380860.12	3734867.69	1.42E-05	0.00E+00	0.00E+00	0.00E+00	2.19E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00
3463	380870.12	3734867.69	1.43E-05	0.00E+00	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00
3464	380880.12	3734867.69	1.44E-05	0.00E+00	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00
3465	380890.12	3734867.69	1.45E-05	0.00E+00	0.00E+00	0.00E+00	2.23E-06	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00
3466	380900.12	3734867.69	1.45E-05	0.00E+00	0.00E+00	0.00E+00	2.24E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
3467	380910.12	3734867.69	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00
3468	380920.12	3734867.69	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
3469	380930.12	3734867.69	1.48E-05	0.00E+00	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00
3470	380940.12	3734867.69	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.30E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
3471	380950.12	3734867.69	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
3472	380960.12	3734867.69	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
3473	380970.12	3734867.69	1.53E-05	0.00E+00	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
3474	380980.12	3734867.69	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.37E-06	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00
3475	380990.12	3734867.69	1.55E-05	0.00E+00	0.00E+00	0.00E+00	2.39E-06	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00
3476	381000.12	3734867.69	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.40E-06	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00
3477	381010.12	3734867.69	1.57E-05	0.00E+00	0.00E+00	0.00E+00	2.42E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
3478	381020.12	3734867.69	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00
3479	381030.12	3734867.69	1.59E-05	0.00E+00	0.00E+00	0.00E+00	2.46E-06	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00
3480	381040.12	3734867.69	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.47E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
3481	381050.12	3734867.69	1.62E-05	0.00E+00	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00
3482	381060.12	3734867.69	1.63E-05	0.00E+00	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
3483	381070.12	3734867.69	1.64E-05	0.00E+00	0.00E+00	0.00E+00	2.52E-06	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00
3484	381080.12	3734867.69	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
3485	381090.12	3734867.69	1.66E-05	0.00E+00	0.00E+00	0.00E+00	2.56E-06	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00
3486	381100.12	3734867.69	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
3487	381110.12	3734867.69	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.58E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
3488	381120.12	3734867.69	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.60E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
3489	381130.12	3734867.69	1.69E-05	0.00E+00	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00
3490	381140.12	3734867.69	1.70E-05	0.00E+00	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
3491	381150.12	3734867.69	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.64E-06	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00
3492	381160.12	3734867.69	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.65E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
3493	381170.12	3734867.69	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.67E-06	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00
3494	381180.12	3734867.69	1.74E-05	0.00E+00	0.00E+00	0.00E+00	2.68E-06	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00
3495	381190.12	3734867.69	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.70E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
3496	381200.12	3734867.69	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.71E-06	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00
3497	381210.12	3734867.69	1.77E-05	0.00E+00	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
3498	381220.12	3734867.69	1.78E-05	0.00E+00	0.00E+00	0.00E+00	2.74E-06	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00
3499	381230.12	3734867.69	1.79E-05	0.00E+00	0.00E+00	0.00E+00	2.75E-06	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00
3500	381240.12	3734867.69	1.80E-05	0.00E+00	0.00E+00	0.00E+00	2.77E-06	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00
3501	381250.12	3734867.69	1.81E-05	0.00E+00	0.00E+00	0.00E+00	2.78E-06	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00
3502	381260.12	3734867.69	1.81E-05	0.00E+00	0.00E+00	0.00E+00	2.80E-06	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00
3503	381270.12	3734867.69	1.82E-05	0.00E+00	0.00E+00	0.00E+00	2.81E-06	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00
3504	381280.12	3734867.69	1.83E-05	0.00E+00	0.00E+00	0.00E+00	2.82E-06	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00
3505	381290.12	3734867.69	1.84E-05	0.00E+00	0.00E+00	0.00E+00	2.83E-06	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00
3506	381300.12	3734867.69	1.85E-05	0.00E+00	0.00E+00	0.00E+00	2.85E-06	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00

3507	381310.12	3734867.69	1.86E-05	0.00E+00	0.00E+00	0.00E+00	2.86E-06	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00
3508	381320.12	3734867.69	1.86E-05	0.00E+00	0.00E+00	0.00E+00	2.87E-06	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00
3509	381330.12	3734867.69	1.87E-05	0.00E+00	0.00E+00	0.00E+00	2.89E-06	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00
3510	381340.12	3734867.69	1.88E-05	0.00E+00	0.00E+00	0.00E+00	2.90E-06	0.00E+00	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00
3511	380400.12	3734877.69	1.08E-05	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00
3512	380410.12	3734877.69	1.09E-05	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00
3513	380420.12	3734877.69	1.10E-05	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00
3514	380430.12	3734877.69	1.11E-05	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00
3515	380440.12	3734877.69	1.11E-05	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00
3516	380450.12	3734877.69	1.12E-05	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00
3517	380460.12	3734877.69	1.13E-05	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00
3518	380470.12	3734877.69	1.14E-05	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00
3519	380480.12	3734877.69	1.15E-05	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00
3520	380490.12	3734877.69	1.15E-05	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00
3521	380500.12	3734877.69	1.16E-05	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00
3522	380510.12	3734877.69	1.17E-05	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00
3523	380520.12	3734877.69	1.18E-05	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00
3524	380530.12	3734877.69	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00
3525	380540.12	3734877.69	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00
3526	380550.12	3734877.69	1.20E-05	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00
3527	380560.12	3734877.69	1.21E-05	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00
3528	380570.12	3734877.69	1.22E-05	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00
3529	380580.12	3734877.69	1.22E-05	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00
3530	380590.12	3734877.69	1.23E-05	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00
3531	380600.12	3734877.69	1.24E-05	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00
3532	380610.12	3734877.69	1.24E-05	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00
3533	380620.12	3734877.69	1.25E-05	0.00E+00	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00
3534	380630.12	3734877.69	1.26E-05	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00
3535	380640.12	3734877.69	1.27E-05	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00
3536	380650.12	3734877.69	1.27E-05	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00
3537	380660.12	3734877.69	1.28E-05	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00
3538	380670.12	3734877.69	1.29E-05	0.00E+00	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00
3539	380680.12	3734877.69	1.29E-05	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00
3540	380690.12	3734877.69	1.30E-05	0.00E+00	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00
3541	380700.12	3734877.69	1.31E-05	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00
3542	380710.12	3734877.69	1.32E-05	0.00E+00	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00
3543	380720.12	3734877.69	1.32E-05	0.00E+00	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00
3544	380730.12	3734877.69	1.33E-05	0.00E+00	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00
3545	380740.12	3734877.69	1.34E-05	0.00E+00	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00
3546	380750.12	3734877.69	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00
3547	380760.12	3734877.69	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00
3548	380770.12	3734877.69	1.36E-05	0.00E+00	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00
3549	380780.12	3734877.69	1.37E-05	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00
3550	380790.12	3734877.69	1.38E-05	0.00E+00	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00
3551	380800.12	3734877.69	1.38E-05	0.00E+00	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00
3552	380810.12	3734877.69	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00
3553	380820.12	3734877.69	1.40E-05	0.00E+00	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00
3554	380830.12	3734877.69	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
3555	380840.12	3734877.69	1.42E-05	0.00E+00	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00
3556	380850.12	3734877.69	1.43E-05	0.00E+00	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00
3557	380860.12	3734877.69	1.43E-05	0.00E+00	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00
3558	380870.12	3734877.69	1.44E-05	0.00E+00	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00
3559	380880.12	3734877.69	1.45E-05	0.00E+00	0.00E+00	0.00E+00	2.23E-06	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00
3560	380890.12	3734877.69	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
3561	380900.12	3734877.69	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.26E-06	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00
3562	380910.12	3734877.69	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
3563	380920.12	3734877.69	1.48E-05	0.00E+00	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00
3564	380930.12	3734877.69	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.30E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
3565	380940.12	3734877.69	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
3566	380950.12	3734877.69	1.51E-05	0.00E+00	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
3567	380960.12	3734877.69	1.53E-05	0.00E+00	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
3568	380970.12	3734877.69	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.37E-06	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00
3569	380980.12	3734877.69	1.55E-05	0.00E+00	0.00E+00	0.00E+00	2.39E-06	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00
3570	380990.12	3734877.69	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.40E-06	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00
3571	381000.12	3734877.69	1.57E-05	0.00E+00	0.00E+00	0.00E+00	2.42E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
3572	381010.12	3734877.69	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00
3573	381020.12	3734877.69	1.60E-05	0.00E+00	0.00E+00	0.00E+00	2.46E-06	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00
3574	381030.12	3734877.69	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.48E-06	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00
3575	381040.12	3734877.69	1.62E-05	0.00E+00	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00
3576	381050.12	3734877.69	1.63E-05	0.00E+00	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
3577	381060.12	3734877.69	1.64E-05	0.00E+00	0.00E+00	0.00E+00	2.53E-06	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00
3578	381070.12	3734877.69	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.55E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
3579	381080.12	3734877.69	1.66E-05	0.00E+00	0.00E+00	0.00E+00	2.56E-06	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00
3580	381090.12	3734877.69	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.58E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
3581	381100.12	3734877.69	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.59E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
3582	381110.12	3734877.69	1.69E-05	0.00E+00	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00
3583	381120.12	3734877.69	1.70E-05	0.00E+00	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
3584	381130.12	3734877.69	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.64E-06	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00
3585	381140.12	3734877.69	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.65E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
3586	381150.12	3734877.69	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.66E-06	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00
3587	381160.12	3734877.69	1.74E-05	0.00E+00	0.00E+00	0.00E+00	2.68E-06	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00
3588	381170.12	3734877.69	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
3589	381180.12	3734877.69	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.71E-06	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00
3590	381190.12	3734877.69	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
3591	381200.12	3734877.69	1.77E-05	0.00E+00	0.00E+00	0.00E+00	2.74E-06	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00
3592	381210.12	3734877.69	1.78E-05	0.00E+00	0.00E+00	0.00E+00	2.75E-06	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00
3593	381220.12	3734877.69	1.79E-05	0.00E+00	0.00E+00	0.00E+00	2.76E-06	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00
3594	381230.12	3734877.69	1.80E-05	0.00E+00	0.00E+00	0.00E+00	2.78E-06	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00
3595	381240.12	3734877.69	1.81E-05	0.00E+00	0.00E+00	0.00E+00	2.80E-06	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00
3596	381250.12	3734877.69	1.82E-05	0.00E+00	0.00E+00	0.00E+00	2.81E-06	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00

3597	381260.12	3734877.69	1.83E-05	0.00E+00	0.00E+00	0.00E+00	2.82E-06	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00
3598	381270.12	3734877.69	1.84E-05	0.00E+00	0.00E+00	0.00E+00	2.84E-06	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00
3599	381280.12	3734877.69	1.85E-05	0.00E+00	0.00E+00	0.00E+00	2.85E-06	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00
3600	381290.12	3734877.69	1.86E-05	0.00E+00	0.00E+00	0.00E+00	2.86E-06	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00
3601	381300.12	3734877.69	1.87E-05	0.00E+00	0.00E+00	0.00E+00	2.88E-06	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00
3602	381310.12	3734877.69	1.87E-05	0.00E+00	0.00E+00	0.00E+00	2.89E-06	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00
3603	381320.12	3734877.69	1.88E-05	0.00E+00	0.00E+00	0.00E+00	2.90E-06	0.00E+00	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00
3604	381330.12	3734877.69	1.89E-05	0.00E+00	0.00E+00	0.00E+00	2.92E-06	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00
3605	381340.12	3734877.69	1.90E-05	0.00E+00	0.00E+00	0.00E+00	2.93E-06	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00
3606	380420.12	3734887.69	1.11E-05	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00
3607	380430.12	3734887.69	1.11E-05	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00
3608	380440.12	3734887.69	1.12E-05	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00
3609	380450.12	3734887.69	1.13E-05	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00
3610	380460.12	3734887.69	1.14E-05	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00
3611	380470.12	3734887.69	1.15E-05	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00
3612	380480.12	3734887.69	1.15E-05	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00
3613	380490.12	3734887.69	1.16E-05	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00
3614	380500.12	3734887.69	1.17E-05	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00
3615	380510.12	3734887.69	1.18E-05	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00
3616	380520.12	3734887.69	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00
3617	380530.12	3734887.69	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00
3618	380540.12	3734887.69	1.20E-05	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00
3619	380550.12	3734887.69	1.21E-05	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00
3620	380560.12	3734887.69	1.22E-05	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00
3621	380570.12	3734887.69	1.22E-05	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00
3622	380580.12	3734887.69	1.23E-05	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00
3623	380590.12	3734887.69	1.24E-05	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00
3624	380600.12	3734887.69	1.25E-05	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00
3625	380610.12	3734887.69	1.26E-05	0.00E+00	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00
3626	380620.12	3734887.69	1.26E-05	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00
3627	380630.12	3734887.69	1.27E-05	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00
3628	380640.12	3734887.69	1.28E-05	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00
3629	380650.12	3734887.69	1.28E-05	0.00E+00	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00
3630	380660.12	3734887.69	1.29E-05	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00
3631	380670.12	3734887.69	1.30E-05	0.00E+00	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00
3632	380680.12	3734887.69	1.31E-05	0.00E+00	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00
3633	380690.12	3734887.69	1.31E-05	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00
3634	380700.12	3734887.69	1.32E-05	0.00E+00	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00
3635	380710.12	3734887.69	1.33E-05	0.00E+00	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00
3636	380720.12	3734887.69	1.34E-05	0.00E+00	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00
3637	380730.12	3734887.69	1.34E-05	0.00E+00	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00
3638	380740.12	3734887.69	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00
3639	380750.12	3734887.69	1.36E-05	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00
3640	380760.12	3734887.69	1.37E-05	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00
3641	380770.12	3734887.69	1.37E-05	0.00E+00	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00
3642	380780.12	3734887.69	1.38E-05	0.00E+00	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00
3643	380790.12	3734887.69	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00
3644	380800.12	3734887.69	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00
3645	380810.12	3734887.69	1.40E-05	0.00E+00	0.00E+00	0.00E+00	2.16E-06	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
3646	380820.12	3734887.69	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
3647	380830.12	3734887.69	1.42E-05	0.00E+00	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00
3648	380840.12	3734887.69	1.43E-05	0.00E+00	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00
3649	380850.12	3734887.69	1.44E-05	0.00E+00	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00
3650	380860.12	3734887.69	1.44E-05	0.00E+00	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00
3651	380870.12	3734887.69	1.45E-05	0.00E+00	0.00E+00	0.00E+00	2.24E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
3652	380880.12	3734887.69	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00
3653	380890.12	3734887.69	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.26E-06	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00
3654	380900.12	3734887.69	1.48E-05	0.00E+00	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
3655	380910.12	3734887.69	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00
3656	380920.12	3734887.69	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.30E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
3657	380930.12	3734887.69	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
3658	380940.12	3734887.69	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
3659	380950.12	3734887.69	1.53E-05	0.00E+00	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
3660	380960.12	3734887.69	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.37E-06	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00
3661	380970.12	3734887.69	1.55E-05	0.00E+00	0.00E+00	0.00E+00	2.39E-06	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00
3662	380980.12	3734887.69	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.41E-06	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00
3663	380990.12	3734887.69	1.57E-05	0.00E+00	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
3664	381000.12	3734887.69	1.59E-05	0.00E+00	0.00E+00	0.00E+00	2.45E-06	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00
3665	381010.12	3734887.69	1.60E-05	0.00E+00	0.00E+00	0.00E+00	2.46E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
3666	381020.12	3734887.69	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.48E-06	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00
3667	381030.12	3734887.69	1.62E-05	0.00E+00	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00
3668	381040.12	3734887.69	1.63E-05	0.00E+00	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
3669	381050.12	3734887.69	1.64E-05	0.00E+00	0.00E+00	0.00E+00	2.53E-06	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00
3670	381060.12	3734887.69	1.66E-05	0.00E+00	0.00E+00	0.00E+00	2.55E-06	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00
3671	381070.12	3734887.69	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
3672	381080.12	3734887.69	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.58E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
3673	381090.12	3734887.69	1.69E-05	0.00E+00	0.00E+00	0.00E+00	2.60E-06	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00
3674	381100.12	3734887.69	1.70E-05	0.00E+00	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
3675	381110.12	3734887.69	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.63E-06	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00
3676	381120.12	3734887.69	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.64E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
3677	381130.12	3734887.69	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.66E-06	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00
3678	381140.12	3734887.69	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.67E-06	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00
3679	381150.12	3734887.69	1.74E-05	0.00E+00	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
3680	381160.12	3734887.69	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.70E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
3681	381170.12	3734887.69	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
3682	381180.12	3734887.69	1.77E-05	0.00E+00	0.00E+00	0.00E+00	2.73E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
3683	381190.12	3734887.69	1.78E-05	0.00E+00	0.00E+00	0.00E+00	2.75E-06	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00
3684	381200.12	3734887.69	1.79E-05	0.00E+00	0.00E+00	0.00E+00	2.76E-06	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00
3685	381210.12	3734887.69	1.80E-05	0.00E+00	0.00E+00	0.00E+00	2.78E-06	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00
3686	381220.12	3734887.69	1.81E-05	0.00E+00	0.00E+00	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00

3687	381230.12	3734887.69	1.82E-05	0.00E+00	0.00E+00	0.00E+00	2.81E-06	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00
3688	381240.12	3734887.69	1.83E-05	0.00E+00	0.00E+00	0.00E+00	2.83E-06	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00
3689	381250.12	3734887.69	1.84E-05	0.00E+00	0.00E+00	0.00E+00	2.84E-06	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00
3690	381260.12	3734887.69	1.85E-05	0.00E+00	0.00E+00	0.00E+00	2.85E-06	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00
3691	381270.12	3734887.69	1.86E-05	0.00E+00	0.00E+00	0.00E+00	2.87E-06	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00
3692	381280.12	3734887.69	1.87E-05	0.00E+00	0.00E+00	0.00E+00	2.88E-06	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00
3693	381290.12	3734887.69	1.88E-05	0.00E+00	0.00E+00	0.00E+00	2.89E-06	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00
3694	381300.12	3734887.69	1.88E-05	0.00E+00	0.00E+00	0.00E+00	2.90E-06	0.00E+00	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00
3695	381310.12	3734887.69	1.89E-05	0.00E+00	0.00E+00	0.00E+00	2.92E-06	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00
3696	381320.12	3734887.69	1.90E-05	0.00E+00	0.00E+00	0.00E+00	2.93E-06	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00
3697	381330.12	3734887.69	1.91E-05	0.00E+00	0.00E+00	0.00E+00	2.94E-06	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00
3698	381340.12	3734887.69	1.92E-05	0.00E+00	0.00E+00	0.00E+00	2.96E-06	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00
3699	380440.12	3734897.69	1.13E-05	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00
3700	380450.12	3734897.69	1.14E-05	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00
3701	380460.12	3734897.69	1.15E-05	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00
3702	380470.12	3734897.69	1.15E-05	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00
3703	380480.12	3734897.69	1.16E-05	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00
3704	380490.12	3734897.69	1.17E-05	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00
3705	380500.12	3734897.69	1.18E-05	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00
3706	380510.12	3734897.69	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00
3707	380520.12	3734897.69	1.20E-05	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00
3708	380530.12	3734897.69	1.20E-05	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00
3709	380540.12	3734897.69	1.21E-05	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00
3710	380550.12	3734897.69	1.22E-05	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00
3711	380560.12	3734897.69	1.23E-05	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00
3712	380570.12	3734897.69	1.23E-05	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00
3713	380580.12	3734897.69	1.24E-05	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00
3714	380590.12	3734897.69	1.25E-05	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00
3715	380600.12	3734897.69	1.26E-05	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00
3716	380610.12	3734897.69	1.26E-05	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00
3717	380620.12	3734897.69	1.27E-05	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00
3718	380630.12	3734897.69	1.28E-05	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00
3719	380640.12	3734897.69	1.29E-05	0.00E+00	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00
3720	380650.12	3734897.69	1.29E-05	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00
3721	380660.12	3734897.69	1.30E-05	0.00E+00	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00
3722	380670.12	3734897.69	1.31E-05	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00
3723	380680.12	3734897.69	1.32E-05	0.00E+00	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00
3724	380690.12	3734897.69	1.33E-05	0.00E+00	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00
3725	380700.12	3734897.69	1.33E-05	0.00E+00	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00
3726	380710.12	3734897.69	1.34E-05	0.00E+00	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00
3727	380720.12	3734897.69	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00
3728	380730.12	3734897.69	1.36E-05	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00
3729	380740.12	3734897.69	1.36E-05	0.00E+00	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00
3730	380750.12	3734897.69	1.37E-05	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00
3731	380760.12	3734897.69	1.38E-05	0.00E+00	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00
3732	380770.12	3734897.69	1.38E-05	0.00E+00	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00
3733	380780.12	3734897.69	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00
3734	380790.12	3734897.69	1.40E-05	0.00E+00	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00
3735	380800.12	3734897.69	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
3736	380810.12	3734897.69	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00
3737	380820.12	3734897.69	1.42E-05	0.00E+00	0.00E+00	0.00E+00	2.19E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00
3738	380830.12	3734897.69	1.43E-05	0.00E+00	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00
3739	380840.12	3734897.69	1.44E-05	0.00E+00	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00
3740	380850.12	3734897.69	1.45E-05	0.00E+00	0.00E+00	0.00E+00	2.23E-06	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00
3741	380860.12	3734897.69	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.24E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
3742	380870.12	3734897.69	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.26E-06	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00
3743	380880.12	3734897.69	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
3744	380890.12	3734897.69	1.48E-05	0.00E+00	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00
3745	380900.12	3734897.69	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
3746	380910.12	3734897.69	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
3747	380920.12	3734897.69	1.51E-05	0.00E+00	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
3748	380930.12	3734897.69	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.34E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
3749	380940.12	3734897.69	1.53E-05	0.00E+00	0.00E+00	0.00E+00	2.36E-06	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00
3750	380950.12	3734897.69	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00
3751	380960.12	3734897.69	1.55E-05	0.00E+00	0.00E+00	0.00E+00	2.39E-06	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00
3752	380970.12	3734897.69	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.41E-06	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00
3753	380980.12	3734897.69	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
3754	380990.12	3734897.69	1.59E-05	0.00E+00	0.00E+00	0.00E+00	2.45E-06	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00
3755	381000.12	3734897.69	1.60E-05	0.00E+00	0.00E+00	0.00E+00	2.47E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
3756	381010.12	3734897.69	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.48E-06	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00
3757	381020.12	3734897.69	1.62E-05	0.00E+00	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00
3758	381030.12	3734897.69	1.64E-05	0.00E+00	0.00E+00	0.00E+00	2.52E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
3759	381040.12	3734897.69	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
3760	381050.12	3734897.69	1.66E-05	0.00E+00	0.00E+00	0.00E+00	2.56E-06	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00
3761	381060.12	3734897.69	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
3762	381070.12	3734897.69	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.59E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
3763	381080.12	3734897.69	1.69E-05	0.00E+00	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00
3764	381090.12	3734897.69	1.70E-05	0.00E+00	0.00E+00	0.00E+00	2.63E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
3765	381100.12	3734897.69	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.64E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
3766	381110.12	3734897.69	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.65E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
3767	381120.12	3734897.69	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.67E-06	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00
3768	381130.12	3734897.69	1.74E-05	0.00E+00	0.00E+00	0.00E+00	2.68E-06	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00
3769	381140.12	3734897.69	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.70E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
3770	381150.12	3734897.69	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.71E-06	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00
3771	381160.12	3734897.69	1.77E-05	0.00E+00	0.00E+00	0.00E+00	2.73E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
3772	381170.12	3734897.69	1.78E-05	0.00E+00	0.00E+00	0.00E+00	2.74E-06	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00
3773	381180.12	3734897.69	1.79E-05	0.00E+00	0.00E+00	0.00E+00	2.76E-06	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00
3774	381190.12	3734897.69	1.80E-05	0.00E+00	0.00E+00	0.00E+00	2.77E-06	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00
3775	381200.12	3734897.69	1.81E-05	0.00E+00	0.00E+00	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00
3776	381210.12	3734897.69	1.82E-05	0.00E+00	0.00E+00	0.00E+00	2.80E-06	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00

3777	381220.12	3734897.69	1.83E-05	0.00E+00	0.00E+00	0.00E+00	2.82E-06	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00
3778	381230.12	3734897.69	1.84E-05	0.00E+00	0.00E+00	0.00E+00	2.84E-06	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00
3779	381240.12	3734897.69	1.85E-05	0.00E+00	0.00E+00	0.00E+00	2.86E-06	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00
3780	381250.12	3734897.69	1.86E-05	0.00E+00	0.00E+00	0.00E+00	2.87E-06	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00
3781	381260.12	3734897.69	1.87E-05	0.00E+00	0.00E+00	0.00E+00	2.88E-06	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00
3782	381270.12	3734897.69	1.88E-05	0.00E+00	0.00E+00	0.00E+00	2.90E-06	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00
3783	381280.12	3734897.69	1.89E-05	0.00E+00	0.00E+00	0.00E+00	2.91E-06	0.00E+00	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00
3784	381290.12	3734897.69	1.90E-05	0.00E+00	0.00E+00	0.00E+00	2.92E-06	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00
3785	381300.12	3734897.69	1.90E-05	0.00E+00	0.00E+00	0.00E+00	2.93E-06	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00
3786	381310.12	3734897.69	1.91E-05	0.00E+00	0.00E+00	0.00E+00	2.95E-06	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00
3787	381320.12	3734897.69	1.92E-05	0.00E+00	0.00E+00	0.00E+00	2.96E-06	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00
3788	381330.12	3734897.69	1.93E-05	0.00E+00	0.00E+00	0.00E+00	2.98E-06	0.00E+00	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00
3789	381340.12	3734897.69	1.94E-05	0.00E+00	0.00E+00	0.00E+00	3.00E-06	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00
3790	380450.12	3734907.69	1.15E-05	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00
3791	380460.12	3734907.69	1.15E-05	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00
3792	380470.12	3734907.69	1.16E-05	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00
3793	380480.12	3734907.69	1.17E-05	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00
3794	380490.12	3734907.69	1.18E-05	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00
3795	380500.12	3734907.69	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00
3796	380510.12	3734907.69	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00
3797	380520.12	3734907.69	1.20E-05	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00
3798	380530.12	3734907.69	1.21E-05	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00
3799	380540.12	3734907.69	1.22E-05	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00
3800	380550.12	3734907.69	1.23E-05	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00
3801	380560.12	3734907.69	1.23E-05	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00
3802	380570.12	3734907.69	1.24E-05	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00
3803	380580.12	3734907.69	1.25E-05	0.00E+00	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00
3804	380590.12	3734907.69	1.26E-05	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00
3805	380600.12	3734907.69	1.27E-05	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00
3806	380610.12	3734907.69	1.27E-05	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00
3807	380620.12	3734907.69	1.28E-05	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00
3808	380630.12	3734907.69	1.29E-05	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00
3809	380640.12	3734907.69	1.30E-05	0.00E+00	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00
3810	380650.12	3734907.69	1.30E-05	0.00E+00	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00
3811	380660.12	3734907.69	1.31E-05	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00
3812	380670.12	3734907.69	1.32E-05	0.00E+00	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00
3813	380680.12	3734907.69	1.33E-05	0.00E+00	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00
3814	380690.12	3734907.69	1.34E-05	0.00E+00	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00
3815	380700.12	3734907.69	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00
3816	380710.12	3734907.69	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00
3817	380720.12	3734907.69	1.36E-05	0.00E+00	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00
3818	380730.12	3734907.69	1.37E-05	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00
3819	380740.12	3734907.69	1.38E-05	0.00E+00	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00
3820	380750.12	3734907.69	1.38E-05	0.00E+00	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00
3821	380760.12	3734907.69	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00
3822	380770.12	3734907.69	1.40E-05	0.00E+00	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00
3823	380780.12	3734907.69	1.40E-05	0.00E+00	0.00E+00	0.00E+00	2.16E-06	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
3824	380790.12	3734907.69	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
3825	380800.12	3734907.69	1.42E-05	0.00E+00	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00
3826	380810.12	3734907.69	1.43E-05	0.00E+00	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00
3827	380820.12	3734907.69	1.43E-05	0.00E+00	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00
3828	380830.12	3734907.69	1.44E-05	0.00E+00	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00
3829	380840.12	3734907.69	1.45E-05	0.00E+00	0.00E+00	0.00E+00	2.24E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
3830	380850.12	3734907.69	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
3831	380860.12	3734907.69	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.26E-06	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00
3832	380870.12	3734907.69	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
3833	380880.12	3734907.69	1.48E-05	0.00E+00	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00
3834	380890.12	3734907.69	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.30E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
3835	380900.12	3734907.69	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
3836	380910.12	3734907.69	1.51E-05	0.00E+00	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
3837	380920.12	3734907.69	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.34E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
3838	380930.12	3734907.69	1.53E-05	0.00E+00	0.00E+00	0.00E+00	2.36E-06	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00
3839	380940.12	3734907.69	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00
3840	380950.12	3734907.69	1.55E-05	0.00E+00	0.00E+00	0.00E+00	2.39E-06	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00
3841	380960.12	3734907.69	1.57E-05	0.00E+00	0.00E+00	0.00E+00	2.41E-06	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00
3842	380970.12	3734907.69	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00
3843	380980.12	3734907.69	1.59E-05	0.00E+00	0.00E+00	0.00E+00	2.45E-06	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00
3844	380990.12	3734907.69	1.60E-05	0.00E+00	0.00E+00	0.00E+00	2.47E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
3845	381000.12	3734907.69	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00
3846	381010.12	3734907.69	1.62E-05	0.00E+00	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00
3847	381020.12	3734907.69	1.64E-05	0.00E+00	0.00E+00	0.00E+00	2.52E-06	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00
3848	381030.12	3734907.69	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
3849	381040.12	3734907.69	1.66E-05	0.00E+00	0.00E+00	0.00E+00	2.56E-06	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00
3850	381050.12	3734907.69	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.58E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
3851	381060.12	3734907.69	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.59E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
3852	381070.12	3734907.69	1.69E-05	0.00E+00	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
3853	381080.12	3734907.69	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.63E-06	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00
3854	381090.12	3734907.69	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.65E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
3855	381100.12	3734907.69	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.66E-06	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00
3856	381110.12	3734907.69	1.74E-05	0.00E+00	0.00E+00	0.00E+00	2.68E-06	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00
3857	381120.12	3734907.69	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
3858	381130.12	3734907.69	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.71E-06	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00
3859	381140.12	3734907.69	1.77E-05	0.00E+00	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
3860	381150.12	3734907.69	1.78E-05	0.00E+00	0.00E+00	0.00E+00	2.74E-06	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00
3861	381160.12	3734907.69	1.79E-05	0.00E+00	0.00E+00	0.00E+00	2.75E-06	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00
3862	381170.12	3734907.69	1.80E-05	0.00E+00	0.00E+00	0.00E+00	2.77E-06	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00
3863	381180.12	3734907.69	1.81E-05	0.00E+00	0.00E+00	0.00E+00	2.78E-06	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00
3864	381190.12	3734907.69	1.82E-05	0.00E+00	0.00E+00	0.00E+00	2.80E-06	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00
3865	381200.12	3734907.69	1.83E-05	0.00E+00	0.00E+00	0.00E+00	2.82E-06	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00
3866	381210.12	3734907.69	1.84E-05	0.00E+00	0.00E+00	0.00E+00	2.83E-06	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00

3867	381220.12	3734907.69	1.85E-05	0.00E+00	0.00E+00	0.00E+00	2.85E-06	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00
3868	381230.12	3734907.69	1.86E-05	0.00E+00	0.00E+00	0.00E+00	2.87E-06	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00
3869	381240.12	3734907.69	1.87E-05	0.00E+00	0.00E+00	0.00E+00	2.89E-06	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00
3870	381250.12	3734907.69	1.88E-05	0.00E+00	0.00E+00	0.00E+00	2.90E-06	0.00E+00	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00
3871	381260.12	3734907.69	1.89E-05	0.00E+00	0.00E+00	0.00E+00	2.91E-06	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00
3872	381270.12	3734907.69	1.90E-05	0.00E+00	0.00E+00	0.00E+00	2.93E-06	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00
3873	381280.12	3734907.69	1.91E-05	0.00E+00	0.00E+00	0.00E+00	2.94E-06	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00
3874	381290.12	3734907.69	1.91E-05	0.00E+00	0.00E+00	0.00E+00	2.95E-06	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00
3875	381300.12	3734907.69	1.92E-05	0.00E+00	0.00E+00	0.00E+00	2.96E-06	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00
3876	381310.12	3734907.69	1.93E-05	0.00E+00	0.00E+00	0.00E+00	2.98E-06	0.00E+00	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00
3877	381320.12	3734907.69	1.94E-05	0.00E+00	0.00E+00	0.00E+00	2.99E-06	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00
3878	381330.12	3734907.69	1.95E-05	0.00E+00	0.00E+00	0.00E+00	3.01E-06	0.00E+00	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00
3879	381340.12	3734907.69	1.96E-05	0.00E+00	0.00E+00	0.00E+00	3.03E-06	0.00E+00	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00
3880	380470.12	3734917.69	1.17E-05	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00
3881	380480.12	3734917.69	1.18E-05	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00
3882	380490.12	3734917.69	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00
3883	380500.12	3734917.69	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00
3884	380510.12	3734917.69	1.20E-05	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00
3885	380520.12	3734917.69	1.21E-05	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00
3886	380530.12	3734917.69	1.22E-05	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00
3887	380540.12	3734917.69	1.23E-05	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00
3888	380550.12	3734917.69	1.24E-05	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00
3889	380560.12	3734917.69	1.24E-05	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00
3890	380570.12	3734917.69	1.25E-05	0.00E+00	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00
3891	380580.12	3734917.69	1.26E-05	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00
3892	380590.12	3734917.69	1.27E-05	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00
3893	380600.12	3734917.69	1.27E-05	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00
3894	380610.12	3734917.69	1.28E-05	0.00E+00	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00
3895	380620.12	3734917.69	1.29E-05	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00
3896	380630.12	3734917.69	1.30E-05	0.00E+00	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00
3897	380640.12	3734917.69	1.31E-05	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00
3898	380650.12	3734917.69	1.32E-05	0.00E+00	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00
3899	380660.12	3734917.69	1.32E-05	0.00E+00	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00
3900	380670.12	3734917.69	1.33E-05	0.00E+00	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00
3901	380680.12	3734917.69	1.34E-05	0.00E+00	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00
3902	380690.12	3734917.69	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00
3903	380700.12	3734917.69	1.36E-05	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00
3904	380710.12	3734917.69	1.37E-05	0.00E+00	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00
3905	380720.12	3734917.69	1.37E-05	0.00E+00	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00
3906	380730.12	3734917.69	1.38E-05	0.00E+00	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00
3907	380740.12	3734917.69	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00
3908	380750.12	3734917.69	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00
3909	380760.12	3734917.69	1.40E-05	0.00E+00	0.00E+00	0.00E+00	2.16E-06	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
3910	380770.12	3734917.69	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
3911	380780.12	3734917.69	1.42E-05	0.00E+00	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00
3912	380790.12	3734917.69	1.42E-05	0.00E+00	0.00E+00	0.00E+00	2.19E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00
3913	380800.12	3734917.69	1.43E-05	0.00E+00	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00
3914	380810.12	3734917.69	1.44E-05	0.00E+00	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00
3915	380820.12	3734917.69	1.45E-05	0.00E+00	0.00E+00	0.00E+00	2.23E-06	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00
3916	380830.12	3734917.69	1.45E-05	0.00E+00	0.00E+00	0.00E+00	2.24E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
3917	380840.12	3734917.69	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00
3918	380850.12	3734917.69	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
3919	380860.12	3734917.69	1.48E-05	0.00E+00	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
3920	380870.12	3734917.69	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00
3921	380880.12	3734917.69	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
3922	380890.12	3734917.69	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
3923	380900.12	3734917.69	1.51E-05	0.00E+00	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
3924	380910.12	3734917.69	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
3925	380920.12	3734917.69	1.53E-05	0.00E+00	0.00E+00	0.00E+00	2.36E-06	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00
3926	380930.12	3734917.69	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00
3927	380940.12	3734917.69	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.40E-06	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00
3928	380950.12	3734917.69	1.57E-05	0.00E+00	0.00E+00	0.00E+00	2.42E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
3929	380960.12	3734917.69	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00
3930	380970.12	3734917.69	1.59E-05	0.00E+00	0.00E+00	0.00E+00	2.45E-06	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00
3931	380980.12	3734917.69	1.60E-05	0.00E+00	0.00E+00	0.00E+00	2.47E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
3932	380990.12	3734917.69	1.62E-05	0.00E+00	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00
3933	381000.12	3734917.69	1.63E-05	0.00E+00	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
3934	381010.12	3734917.69	1.64E-05	0.00E+00	0.00E+00	0.00E+00	2.53E-06	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00
3935	381020.12	3734917.69	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
3936	381030.12	3734917.69	1.66E-05	0.00E+00	0.00E+00	0.00E+00	2.56E-06	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00
3937	381040.12	3734917.69	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.58E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
3938	381050.12	3734917.69	1.69E-05	0.00E+00	0.00E+00	0.00E+00	2.60E-06	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00
3939	381060.12	3734917.69	1.70E-05	0.00E+00	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
3940	381070.12	3734917.69	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.63E-06	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00
3941	381080.12	3734917.69	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.65E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
3942	381090.12	3734917.69	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.67E-06	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00
3943	381100.12	3734917.69	1.74E-05	0.00E+00	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
3944	381110.12	3734917.69	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.70E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
3945	381120.12	3734917.69	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
3946	381130.12	3734917.69	1.77E-05	0.00E+00	0.00E+00	0.00E+00	2.73E-06	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00
3947	381140.12	3734917.69	1.78E-05	0.00E+00	0.00E+00	0.00E+00	2.75E-06	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00
3948	381150.12	3734917.69	1.80E-05	0.00E+00	0.00E+00	0.00E+00	2.77E-06	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00
3949	381160.12	3734917.69	1.80E-05	0.00E+00	0.00E+00	0.00E+00	2.78E-06	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00
3950	381170.12	3734917.69	1.81E-05	0.00E+00	0.00E+00	0.00E+00	2.80E-06	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00
3951	381180.12	3734917.69	1.83E-05	0.00E+00	0.00E+00	0.00E+00	2.81E-06	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00
3952	381190.12	3734917.69	1.84E-05	0.00E+00	0.00E+00	0.00E+00	2.83E-06	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00
3953	381200.12	3734917.69	1.85E-05	0.00E+00	0.00E+00	0.00E+00	2.85E-06	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00
3954	381210.12	3734917.69	1.86E-05	0.00E+00	0.00E+00	0.00E+00	2.86E-06	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00
3955	381220.12	3734917.69	1.87E-05	0.00E+00	0.00E+00	0.00E+00	2.88E-06	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00
3956	381230.12	3734917.69	1.88E-05	0.00E+00	0.00E+00	0.00E+00	2.90E-06	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00

3957	381240.12	3734917.69	1.89E-05	0.00E+00	0.00E+00	0.00E+00	2.92E-06	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00
3958	381250.12	3734917.69	1.90E-05	0.00E+00	0.00E+00	0.00E+00	2.93E-06	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00
3959	381260.12	3734917.69	1.91E-05	0.00E+00	0.00E+00	0.00E+00	2.94E-06	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00
3960	381270.12	3734917.69	1.92E-05	0.00E+00	0.00E+00	0.00E+00	2.96E-06	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00
3961	381280.12	3734917.69	1.93E-05	0.00E+00	0.00E+00	0.00E+00	2.97E-06	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00
3962	381290.12	3734917.69	1.94E-05	0.00E+00	0.00E+00	0.00E+00	2.98E-06	0.00E+00	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00
3963	381300.12	3734917.69	1.94E-05	0.00E+00	0.00E+00	0.00E+00	2.99E-06	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00
3964	381310.12	3734917.69	1.95E-05	0.00E+00	0.00E+00	0.00E+00	3.01E-06	0.00E+00	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00
3965	381320.12	3734917.69	1.96E-05	0.00E+00	0.00E+00	0.00E+00	3.03E-06	0.00E+00	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00
3966	381330.12	3734917.69	1.97E-05	0.00E+00	0.00E+00	0.00E+00	3.04E-06	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00
3967	381340.12	3734917.69	1.99E-05	0.00E+00	0.00E+00	0.00E+00	3.06E-06	0.00E+00	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00
3968	380480.12	3734927.69	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00
3969	380490.12	3734927.69	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00
3970	380500.12	3734927.69	1.20E-05	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00
3971	380510.12	3734927.69	1.21E-05	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00
3972	380520.12	3734927.69	1.22E-05	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00
3973	380530.12	3734927.69	1.23E-05	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00
3974	380540.12	3734927.69	1.24E-05	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00
3975	380550.12	3734927.69	1.24E-05	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00
3976	380560.12	3734927.69	1.25E-05	0.00E+00	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00
3977	380570.12	3734927.69	1.26E-05	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00
3978	380580.12	3734927.69	1.27E-05	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00
3979	380590.12	3734927.69	1.27E-05	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00
3980	380600.12	3734927.69	1.28E-05	0.00E+00	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00
3981	380610.12	3734927.69	1.29E-05	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00
3982	380620.12	3734927.69	1.30E-05	0.00E+00	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00
3983	380630.12	3734927.69	1.31E-05	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00
3984	380640.12	3734927.69	1.32E-05	0.00E+00	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00
3985	380650.12	3734927.69	1.33E-05	0.00E+00	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00
3986	380660.12	3734927.69	1.34E-05	0.00E+00	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00
3987	380670.12	3734927.69	1.34E-05	0.00E+00	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00
3988	380680.12	3734927.69	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00
3989	380690.12	3734927.69	1.36E-05	0.00E+00	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00
3990	380700.12	3734927.69	1.37E-05	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00
3991	380710.12	3734927.69	1.38E-05	0.00E+00	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00
3992	380720.12	3734927.69	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00
3993	380730.12	3734927.69	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00
3994	380740.12	3734927.69	1.40E-05	0.00E+00	0.00E+00	0.00E+00	2.16E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00
3995	380750.12	3734927.69	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
3996	380760.12	3734927.69	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00
3997	380770.12	3734927.69	1.42E-05	0.00E+00	0.00E+00	0.00E+00	2.19E-06	0.00E+00	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00
3998	380780.12	3734927.69	1.43E-05	0.00E+00	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00
3999	380790.12	3734927.69	1.43E-05	0.00E+00	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00
4000	380800.12	3734927.69	1.44E-05	0.00E+00	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00
4001	380810.12	3734927.69	1.45E-05	0.00E+00	0.00E+00	0.00E+00	2.24E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
4002	380820.12	3734927.69	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
4003	380830.12	3734927.69	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.26E-06	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00
4004	380840.12	3734927.69	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
4005	380850.12	3734927.69	1.48E-05	0.00E+00	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00
4006	380860.12	3734927.69	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.30E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
4007	380870.12	3734927.69	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
4008	380880.12	3734927.69	1.51E-05	0.00E+00	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
4009	380890.12	3734927.69	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.34E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
4010	380900.12	3734927.69	1.53E-05	0.00E+00	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
4011	380910.12	3734927.69	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.37E-06	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00
4012	380920.12	3734927.69	1.55E-05	0.00E+00	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00
4013	380930.12	3734927.69	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.40E-06	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00
4014	380940.12	3734927.69	1.57E-05	0.00E+00	0.00E+00	0.00E+00	2.42E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
4015	380950.12	3734927.69	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00
4016	380960.12	3734927.69	1.59E-05	0.00E+00	0.00E+00	0.00E+00	2.46E-06	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00
4017	380970.12	3734927.69	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.47E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
4018	380980.12	3734927.69	1.62E-05	0.00E+00	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00
4019	380990.12	3734927.69	1.63E-05	0.00E+00	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
4020	381000.12	3734927.69	1.64E-05	0.00E+00	0.00E+00	0.00E+00	2.53E-06	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00
4021	381010.12	3734927.69	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.55E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
4022	381300.12	3734927.69	1.96E-05	0.00E+00	0.00E+00	0.00E+00	3.03E-06	0.00E+00	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00
4023	381310.12	3734927.69	1.98E-05	0.00E+00	0.00E+00	0.00E+00	3.04E-06	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00
4024	381320.12	3734927.69	1.99E-05	0.00E+00	0.00E+00	0.00E+00	3.06E-06	0.00E+00	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00
4025	381330.12	3734927.69	2.00E-05	0.00E+00	0.00E+00	0.00E+00	3.08E-06	0.00E+00	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00
4026	381340.12	3734927.69	2.01E-05	0.00E+00	0.00E+00	0.00E+00	3.10E-06	0.00E+00	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00
4027	380500.12	3734937.69	1.21E-05	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00
4028	380510.12	3734937.69	1.22E-05	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00
4029	380520.12	3734937.69	1.23E-05	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00
4030	380530.12	3734937.69	1.24E-05	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00
4031	380540.12	3734937.69	1.25E-05	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00
4032	380550.12	3734937.69	1.25E-05	0.00E+00	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00
4033	380560.12	3734937.69	1.26E-05	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00
4034	380570.12	3734937.69	1.27E-05	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00
4035	380580.12	3734937.69	1.28E-05	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00
4036	380590.12	3734937.69	1.28E-05	0.00E+00	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00
4037	380600.12	3734937.69	1.29E-05	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00
4038	380610.12	3734937.69	1.30E-05	0.00E+00	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00
4039	380620.12	3734937.69	1.31E-05	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00
4040	380630.12	3734937.69	1.32E-05	0.00E+00	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00
4041	380640.12	3734937.69	1.33E-05	0.00E+00	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00
4042	380650.12	3734937.69	1.34E-05	0.00E+00	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00
4043	380660.12	3734937.69	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00
4044	380670.12	3734937.69	1.36E-05	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00
4045	380680.12	3734937.69	1.37E-05	0.00E+00	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00
4046	380690.12	3734937.69	1.37E-05	0.00E+00	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00

4047	380700.12	3734937.69	1.38E-05	0.00E+00	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00
4048	380710.12	3734937.69	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00
4049	380720.12	3734937.69	1.40E-05	0.00E+00	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00
4050	380730.12	3734937.69	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
4051	380740.12	3734937.69	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00
4052	380750.12	3734937.69	1.42E-05	0.00E+00	0.00E+00	0.00E+00	2.19E-06	0.00E+00	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00
4053	380760.12	3734937.69	1.42E-05	0.00E+00	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00
4054	380770.12	3734937.69	1.43E-05	0.00E+00	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00
4055	380780.12	3734937.69	1.44E-05	0.00E+00	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00
4056	380790.12	3734937.69	1.45E-05	0.00E+00	0.00E+00	0.00E+00	2.23E-06	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00
4057	380800.12	3734937.69	1.45E-05	0.00E+00	0.00E+00	0.00E+00	2.24E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
4058	380810.12	3734937.69	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00
4059	380820.12	3734937.69	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
4060	380830.12	3734937.69	1.48E-05	0.00E+00	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
4061	380840.12	3734937.69	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00
4062	380850.12	3734937.69	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.30E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
4063	380860.12	3734937.69	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
4064	380870.12	3734937.69	1.51E-05	0.00E+00	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
4065	380880.12	3734937.69	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.34E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
4066	380890.12	3734937.69	1.53E-05	0.00E+00	0.00E+00	0.00E+00	2.36E-06	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00
4067	380900.12	3734937.69	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.37E-06	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00
4068	381300.12	3734937.69	1.99E-05	0.00E+00	0.00E+00	0.00E+00	3.06E-06	0.00E+00	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00
4069	381310.12	3734937.69	2.00E-05	0.00E+00	0.00E+00	0.00E+00	3.08E-06	0.00E+00	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00
4070	381320.12	3734937.69	2.01E-05	0.00E+00	0.00E+00	0.00E+00	3.10E-06	0.00E+00	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00
4071	381330.12	3734937.69	2.02E-05	0.00E+00	0.00E+00	0.00E+00	3.12E-06	0.00E+00	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00
4072	381340.12	3734937.69	2.04E-05	0.00E+00	0.00E+00	0.00E+00	3.14E-06	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00
4073	380520.12	3734947.69	1.24E-05	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00
4074	380530.12	3734947.69	1.25E-05	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00
4075	380540.12	3734947.69	1.26E-05	0.00E+00	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00
4076	380550.12	3734947.69	1.26E-05	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00
4077	380560.12	3734947.69	1.27E-05	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00
4078	380570.12	3734947.69	1.28E-05	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00
4079	380580.12	3734947.69	1.29E-05	0.00E+00	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00
4080	380590.12	3734947.69	1.30E-05	0.00E+00	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00
4081	380600.12	3734947.69	1.30E-05	0.00E+00	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00
4082	380610.12	3734947.69	1.31E-05	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00
4083	380620.12	3734947.69	1.32E-05	0.00E+00	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00
4084	380630.12	3734947.69	1.33E-05	0.00E+00	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00
4085	380640.12	3734947.69	1.34E-05	0.00E+00	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00
4086	380650.12	3734947.69	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00
4087	380660.12	3734947.69	1.36E-05	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00
4088	380670.12	3734947.69	1.37E-05	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00
4089	380680.12	3734947.69	1.38E-05	0.00E+00	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00
4090	380690.12	3734947.69	1.38E-05	0.00E+00	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00
4091	380700.12	3734947.69	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00
4092	380710.12	3734947.69	1.40E-05	0.00E+00	0.00E+00	0.00E+00	2.16E-06	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
4093	380720.12	3734947.69	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
4094	380730.12	3734947.69	1.42E-05	0.00E+00	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00
4095	380740.12	3734947.69	1.42E-05	0.00E+00	0.00E+00	0.00E+00	2.19E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00
4096	380750.12	3734947.69	1.43E-05	0.00E+00	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00
4097	380760.12	3734947.69	1.44E-05	0.00E+00	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00
4098	380770.12	3734947.69	1.44E-05	0.00E+00	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00
4099	380780.12	3734947.69	1.45E-05	0.00E+00	0.00E+00	0.00E+00	2.24E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
4100	380790.12	3734947.69	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
4101	380800.12	3734947.69	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.26E-06	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00
4102	380810.12	3734947.69	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
4103	380820.12	3734947.69	1.48E-05	0.00E+00	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00
4104	380830.12	3734947.69	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
4105	380840.12	3734947.69	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
4106	380850.12	3734947.69	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
4107	380860.12	3734947.69	1.51E-05	0.00E+00	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
4108	380870.12	3734947.69	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
4109	380880.12	3734947.69	1.53E-05	0.00E+00	0.00E+00	0.00E+00	2.36E-06	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00
4110	380890.12	3734947.69	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00
4111	380900.12	3734947.69	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.40E-06	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00
4112	380930.12	3734947.69	1.59E-05	0.00E+00	0.00E+00	0.00E+00	2.45E-06	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00
4113	380940.12	3734947.69	1.60E-05	0.00E+00	0.00E+00	0.00E+00	2.46E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
4114	380950.12	3734947.69	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.48E-06	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00
4115	380960.12	3734947.69	1.62E-05	0.00E+00	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00
4116	380970.12	3734947.69	1.63E-05	0.00E+00	0.00E+00	0.00E+00	2.52E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
4117	380980.12	3734947.69	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
4118	380990.12	3734947.69	1.66E-05	0.00E+00	0.00E+00	0.00E+00	2.56E-06	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00
4119	381000.12	3734947.69	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.58E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
4120	381010.12	3734947.69	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.59E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
4121	381020.12	3734947.69	1.69E-05	0.00E+00	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
4122	381030.12	3734947.69	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.63E-06	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00
4123	381040.12	3734947.69	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.65E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
4124	381050.12	3734947.69	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.66E-06	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00
4125	381060.12	3734947.69	1.74E-05	0.00E+00	0.00E+00	0.00E+00	2.68E-06	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00
4126	381070.12	3734947.69	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.70E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
4127	381080.12	3734947.69	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
4128	381090.12	3734947.69	1.78E-05	0.00E+00	0.00E+00	0.00E+00	2.74E-06	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00
4129	381100.12	3734947.69	1.79E-05	0.00E+00	0.00E+00	0.00E+00	2.76E-06	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00
4130	381110.12	3734947.69	1.80E-05	0.00E+00	0.00E+00	0.00E+00	2.78E-06	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00
4131	381300.12	3734947.69	2.01E-05	0.00E+00	0.00E+00	0.00E+00	3.10E-06	0.00E+00	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00
4132	381310.12	3734947.69	2.02E-05	0.00E+00	0.00E+00	0.00E+00	3.11E-06	0.00E+00	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00
4133	381320.12	3734947.69	2.04E-05	0.00E+00	0.00E+00	0.00E+00	3.14E-06	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00
4134	381330.12	3734947.69	2.05E-05	0.00E+00	0.00E+00	0.00E+00	3.16E-06	0.00E+00	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00
4135	381340.12	3734947.69	2.06E-05	0.00E+00	0.00E+00	0.00E+00	3.18E-06	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00
4136	380530.12	3734957.69	1.26E-05	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00

4137	380540.12	3734957.69	1.27E-05	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00
4138	380550.12	3734957.69	1.27E-05	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00
4139	380560.12	3734957.69	1.28E-05	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00
4140	380570.12	3734957.69	1.29E-05	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00
4141	380580.12	3734957.69	1.30E-05	0.00E+00	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00
4142	380590.12	3734957.69	1.31E-05	0.00E+00	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00
4143	380600.12	3734957.69	1.31E-05	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00
4144	380610.12	3734957.69	1.32E-05	0.00E+00	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00
4145	380620.12	3734957.69	1.33E-05	0.00E+00	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00
4146	380630.12	3734957.69	1.34E-05	0.00E+00	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00
4147	380640.12	3734957.69	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00
4148	380650.12	3734957.69	1.36E-05	0.00E+00	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00
4149	380660.12	3734957.69	1.37E-05	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00
4150	380670.12	3734957.69	1.38E-05	0.00E+00	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00
4151	380680.12	3734957.69	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00
4152	380690.12	3734957.69	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00
4153	380700.12	3734957.69	1.40E-05	0.00E+00	0.00E+00	0.00E+00	2.16E-06	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
4154	380710.12	3734957.69	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00
4155	380720.12	3734957.69	1.42E-05	0.00E+00	0.00E+00	0.00E+00	2.19E-06	0.00E+00	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00
4156	380730.12	3734957.69	1.43E-05	0.00E+00	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00
4157	380740.12	3734957.69	1.43E-05	0.00E+00	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00
4158	380750.12	3734957.69	1.44E-05	0.00E+00	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00
4159	380760.12	3734957.69	1.45E-05	0.00E+00	0.00E+00	0.00E+00	2.23E-06	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00
4160	380770.12	3734957.69	1.45E-05	0.00E+00	0.00E+00	0.00E+00	2.24E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
4161	380780.12	3734957.69	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00
4162	380790.12	3734957.69	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
4163	380800.12	3734957.69	1.48E-05	0.00E+00	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
4164	380810.12	3734957.69	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00
4165	380820.12	3734957.69	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.30E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
4166	380830.12	3734957.69	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
4167	380840.12	3734957.69	1.51E-05	0.00E+00	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
4168	380850.12	3734957.69	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.34E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
4169	380860.12	3734957.69	1.53E-05	0.00E+00	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
4170	380870.12	3734957.69	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.37E-06	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00
4171	380880.12	3734957.69	1.55E-05	0.00E+00	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00
4172	380890.12	3734957.69	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.40E-06	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00
4173	380900.12	3734957.69	1.57E-05	0.00E+00	0.00E+00	0.00E+00	2.42E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
4174	380930.12	3734957.69	1.60E-05	0.00E+00	0.00E+00	0.00E+00	2.47E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
4175	380940.12	3734957.69	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.48E-06	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00
4176	380950.12	3734957.69	1.62E-05	0.00E+00	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00
4177	380960.12	3734957.69	1.64E-05	0.00E+00	0.00E+00	0.00E+00	2.52E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
4178	380970.12	3734957.69	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
4179	380980.12	3734957.69	1.66E-05	0.00E+00	0.00E+00	0.00E+00	2.56E-06	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00
4180	380990.12	3734957.69	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.58E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
4181	381000.12	3734957.69	1.69E-05	0.00E+00	0.00E+00	0.00E+00	2.60E-06	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00
4182	381010.12	3734957.69	1.70E-05	0.00E+00	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
4183	381020.12	3734957.69	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.63E-06	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00
4184	381030.12	3734957.69	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.65E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
4185	381040.12	3734957.69	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.67E-06	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00
4186	381050.12	3734957.69	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
4187	381060.12	3734957.69	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.71E-06	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00
4188	381070.12	3734957.69	1.77E-05	0.00E+00	0.00E+00	0.00E+00	2.73E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
4189	381080.12	3734957.69	1.78E-05	0.00E+00	0.00E+00	0.00E+00	2.75E-06	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00
4190	381090.12	3734957.69	1.79E-05	0.00E+00	0.00E+00	0.00E+00	2.76E-06	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00
4191	381100.12	3734957.69	1.81E-05	0.00E+00	0.00E+00	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00
4192	380550.12	3734967.69	1.28E-05	0.00E+00	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00
4193	380560.12	3734967.69	1.29E-05	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00
4194	380570.12	3734967.69	1.30E-05	0.00E+00	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00
4195	380580.12	3734967.69	1.31E-05	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00
4196	380590.12	3734967.69	1.32E-05	0.00E+00	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00
4197	380600.12	3734967.69	1.33E-05	0.00E+00	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00
4198	380610.12	3734967.69	1.33E-05	0.00E+00	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00
4199	380620.12	3734967.69	1.34E-05	0.00E+00	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00
4200	380630.12	3734967.69	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00
4201	380640.12	3734967.69	1.36E-05	0.00E+00	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00
4202	380650.12	3734967.69	1.37E-05	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00
4203	380660.12	3734967.69	1.38E-05	0.00E+00	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00
4204	380670.12	3734967.69	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00
4205	380680.12	3734967.69	1.40E-05	0.00E+00	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00
4206	380690.12	3734967.69	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
4207	380700.12	3734967.69	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00
4208	380710.12	3734967.69	1.42E-05	0.00E+00	0.00E+00	0.00E+00	2.19E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00
4209	380720.12	3734967.69	1.43E-05	0.00E+00	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00
4210	380730.12	3734967.69	1.44E-05	0.00E+00	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00
4211	380740.12	3734967.69	1.45E-05	0.00E+00	0.00E+00	0.00E+00	2.23E-06	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00
4212	380750.12	3734967.69	1.45E-05	0.00E+00	0.00E+00	0.00E+00	2.24E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
4213	380760.12	3734967.69	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
4214	380770.12	3734967.69	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.26E-06	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00
4215	380780.12	3734967.69	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
4216	380790.12	3734967.69	1.48E-05	0.00E+00	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00
4217	380800.12	3734967.69	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
4218	380810.12	3734967.69	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
4219	380820.12	3734967.69	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
4220	380830.12	3734967.69	1.51E-05	0.00E+00	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
4221	380840.12	3734967.69	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.34E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
4222	380850.12	3734967.69	1.53E-05	0.00E+00	0.00E+00	0.00E+00	2.36E-06	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00
4223	380860.12	3734967.69	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.37E-06	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00
4224	380870.12	3734967.69	1.55E-05	0.00E+00	0.00E+00	0.00E+00	2.39E-06	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00
4225	380880.12	3734967.69	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.40E-06	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00
4226	380890.12	3734967.69	1.57E-05	0.00E+00	0.00E+00	0.00E+00	2.42E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00

4227	380900.12	3734967.69	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00
4228	380930.12	3734967.69	1.62E-05	0.00E+00	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00
4229	380940.12	3734967.69	1.62E-05	0.00E+00	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00
4230	380950.12	3734967.69	1.64E-05	0.00E+00	0.00E+00	0.00E+00	2.52E-06	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00
4231	380960.12	3734967.69	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
4232	380970.12	3734967.69	1.66E-05	0.00E+00	0.00E+00	0.00E+00	2.56E-06	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00
4233	380980.12	3734967.69	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.58E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
4234	380990.12	3734967.69	1.69E-05	0.00E+00	0.00E+00	0.00E+00	2.60E-06	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00
4235	381000.12	3734967.69	1.70E-05	0.00E+00	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
4236	381010.12	3734967.69	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.64E-06	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00
4237	381020.12	3734967.69	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.65E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
4238	381030.12	3734967.69	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.67E-06	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00
4239	381040.12	3734967.69	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
4240	381050.12	3734967.69	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.71E-06	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00
4241	381060.12	3734967.69	1.77E-05	0.00E+00	0.00E+00	0.00E+00	2.74E-06	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00
4242	381070.12	3734967.69	1.79E-05	0.00E+00	0.00E+00	0.00E+00	2.75E-06	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00
4243	381080.12	3734967.69	1.80E-05	0.00E+00	0.00E+00	0.00E+00	2.77E-06	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00
4244	380600.12	3734977.69	1.34E-05	0.00E+00	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00
4245	380610.12	3734977.69	1.34E-05	0.00E+00	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00
4246	380620.12	3734977.69	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00
4247	380630.12	3734977.69	1.36E-05	0.00E+00	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00
4248	380640.12	3734977.69	1.37E-05	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00
4249	380650.12	3734977.69	1.38E-05	0.00E+00	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00
4250	380660.12	3734977.69	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00
4251	380670.12	3734977.69	1.40E-05	0.00E+00	0.00E+00	0.00E+00	2.16E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00
4252	380680.12	3734977.69	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
4253	380690.12	3734977.69	1.42E-05	0.00E+00	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00
4254	380700.12	3734977.69	1.42E-05	0.00E+00	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00
4255	380710.12	3734977.69	1.43E-05	0.00E+00	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00
4256	380720.12	3734977.69	1.44E-05	0.00E+00	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00
4257	380730.12	3734977.69	1.45E-05	0.00E+00	0.00E+00	0.00E+00	2.23E-06	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00
4258	380740.12	3734977.69	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.24E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
4259	380750.12	3734977.69	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00
4260	380760.12	3734977.69	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
4261	380770.12	3734977.69	1.48E-05	0.00E+00	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
4262	380780.12	3734977.69	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00
4263	380790.12	3734977.69	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.30E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
4264	380800.12	3734977.69	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
4265	380810.12	3734977.69	1.51E-05	0.00E+00	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
4266	380820.12	3734977.69	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
4267	380830.12	3734977.69	1.53E-05	0.00E+00	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
4268	380840.12	3734977.69	1.53E-05	0.00E+00	0.00E+00	0.00E+00	2.36E-06	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00
4269	380850.12	3734977.69	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00
4270	380860.12	3734977.69	1.55E-05	0.00E+00	0.00E+00	0.00E+00	2.39E-06	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00
4271	380870.12	3734977.69	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.41E-06	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00
4272	380880.12	3734977.69	1.57E-05	0.00E+00	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
4273	380890.12	3734977.69	1.59E-05	0.00E+00	0.00E+00	0.00E+00	2.45E-06	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00
4274	380900.12	3734977.69	1.60E-05	0.00E+00	0.00E+00	0.00E+00	2.46E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
4275	380930.12	3734977.69	1.63E-05	0.00E+00	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
4276	380940.12	3734977.69	1.64E-05	0.00E+00	0.00E+00	0.00E+00	2.53E-06	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00
4277	380950.12	3734977.69	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.55E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
4278	380960.12	3734977.69	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
4279	380970.12	3734977.69	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.58E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
4280	380980.12	3734977.69	1.69E-05	0.00E+00	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00
4281	380990.12	3734977.69	1.70E-05	0.00E+00	0.00E+00	0.00E+00	2.63E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
4282	381000.12	3734977.69	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.65E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
4283	381010.12	3734977.69	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.66E-06	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00
4284	381020.12	3734977.69	1.74E-05	0.00E+00	0.00E+00	0.00E+00	2.68E-06	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00
4285	381030.12	3734977.69	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.70E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
4286	381040.12	3734977.69	1.77E-05	0.00E+00	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
4287	381050.12	3734977.69	1.78E-05	0.00E+00	0.00E+00	0.00E+00	2.74E-06	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00
4288	380610.12	3734987.69	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00
4289	380620.12	3734987.69	1.37E-05	0.00E+00	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00
4290	380630.12	3734987.69	1.37E-05	0.00E+00	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00
4291	380640.12	3734987.69	1.38E-05	0.00E+00	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00
4292	380650.12	3734987.69	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00
4293	380660.12	3734987.69	1.40E-05	0.00E+00	0.00E+00	0.00E+00	2.16E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00
4294	380670.12	3734987.69	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
4295	380680.12	3734987.69	1.42E-05	0.00E+00	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00
4296	380690.12	3734987.69	1.43E-05	0.00E+00	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00
4297	380700.12	3734987.69	1.43E-05	0.00E+00	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00
4298	380710.12	3734987.69	1.44E-05	0.00E+00	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00
4299	380720.12	3734987.69	1.45E-05	0.00E+00	0.00E+00	0.00E+00	2.24E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
4300	380730.12	3734987.69	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00
4301	380740.12	3734987.69	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.26E-06	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00
4302	380750.12	3734987.69	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
4303	380760.12	3734987.69	1.48E-05	0.00E+00	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00
4304	380770.12	3734987.69	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.30E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
4305	380780.12	3734987.69	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
4306	380790.12	3734987.69	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
4307	380800.12	3734987.69	1.51E-05	0.00E+00	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
4308	380810.12	3734987.69	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.34E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
4309	380820.12	3734987.69	1.53E-05	0.00E+00	0.00E+00	0.00E+00	2.36E-06	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00
4310	380830.12	3734987.69	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.37E-06	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00
4311	380840.12	3734987.69	1.55E-05	0.00E+00	0.00E+00	0.00E+00	2.39E-06	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00
4312	380850.12	3734987.69	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.40E-06	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00
4313	380860.12	3734987.69	1.57E-05	0.00E+00	0.00E+00	0.00E+00	2.42E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
4314	380870.12	3734987.69	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00
4315	380880.12	3734987.69	1.59E-05	0.00E+00	0.00E+00	0.00E+00	2.45E-06	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00
4316	380890.12	3734987.69	1.60E-05	0.00E+00	0.00E+00	0.00E+00	2.47E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00

4317	380900.12	3734987.69	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00
4318	380940.12	3734987.69	1.66E-05	0.00E+00	0.00E+00	0.00E+00	2.56E-06	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00
4319	380950.12	3734987.69	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
4320	380960.12	3734987.69	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.59E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
4321	380970.12	3734987.69	1.69E-05	0.00E+00	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
4322	380980.12	3734987.69	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.63E-06	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00
4323	380990.12	3734987.69	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.65E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
4324	381000.12	3734987.69	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.67E-06	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00
4325	381010.12	3734987.69	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
4326	380263.22	3734967.51	1.03E-05	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00
4327	380273.22	3734967.51	1.04E-05	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00
4328	380283.22	3734967.51	1.05E-05	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00
4329	380263.22	3734977.51	1.04E-05	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00
4330	380273.22	3734977.51	1.05E-05	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00
4331	380283.22	3734977.51	1.05E-05	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00
4332	380263.22	3734987.51	1.04E-05	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00
4333	380273.22	3734987.51	1.05E-05	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00
4334	380283.22	3734987.51	1.06E-05	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00
4335	380263.22	3734997.51	1.05E-05	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00
4336	380273.22	3734997.51	1.06E-05	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00
4337	380283.22	3734997.51	1.06E-05	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00
4338	380263.22	3735007.51	1.06E-05	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00
4339	380273.22	3735007.51	1.06E-05	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00
4340	380283.22	3735007.51	1.07E-05	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00
4341	380293.22	3735007.51	1.08E-05	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00
4342	380263.22	3735017.51	1.06E-05	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00
4343	380273.22	3735017.51	1.07E-05	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00
4344	380283.22	3735017.51	1.07E-05	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00
4345	380293.22	3735017.51	1.08E-05	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00
4346	380303.22	3735017.51	1.09E-05	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00
4347	380313.22	3735017.51	1.10E-05	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00
4348	380323.22	3735017.51	1.11E-05	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00
4349	380333.22	3735017.51	1.11E-05	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00
4350	380343.22	3735017.51	1.12E-05	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00
4351	380353.22	3735017.51	1.14E-05	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00
4352	380263.22	3735027.51	1.07E-05	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00
4353	380273.22	3735027.51	1.07E-05	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00
4354	380283.22	3735027.51	1.08E-05	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00
4355	380293.22	3735027.51	1.09E-05	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00
4356	380303.22	3735027.51	1.09E-05	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00
4357	380313.22	3735027.51	1.10E-05	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00
4358	380323.22	3735027.51	1.11E-05	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00
4359	380333.22	3735027.51	1.12E-05	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00
4360	380343.22	3735027.51	1.13E-05	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00
4361	380353.22	3735027.51	1.14E-05	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00
4362	380263.22	3735037.51	1.07E-05	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00
4363	380273.22	3735037.51	1.08E-05	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00
4364	380283.22	3735037.51	1.08E-05	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00
4365	380293.22	3735037.51	1.09E-05	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00
4366	380303.22	3735037.51	1.10E-05	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00
4367	380313.22	3735037.51	1.11E-05	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00
4368	380323.22	3735037.51	1.12E-05	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00
4369	380333.22	3735037.51	1.13E-05	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00
4370	380343.22	3735037.51	1.14E-05	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00
4371	380353.22	3735037.51	1.15E-05	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00
4372	380263.22	3735047.51	1.08E-05	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00
4373	380273.22	3735047.51	1.08E-05	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00
4374	380283.22	3735047.51	1.09E-05	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00
4375	380293.22	3735047.51	1.10E-05	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00
4376	380303.22	3735047.51	1.10E-05	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00
4377	380313.22	3735047.51	1.11E-05	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00
4378	380323.22	3735047.51	1.12E-05	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00
4379	380333.22	3735047.51	1.13E-05	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00
4380	380343.22	3735047.51	1.14E-05	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00
4381	380353.22	3735047.51	1.15E-05	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00
4382	380263.22	3735057.51	1.08E-05	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00
4383	380273.22	3735057.51	1.09E-05	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00
4384	380283.22	3735057.51	1.09E-05	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00
4385	380293.22	3735057.51	1.10E-05	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00
4386	380303.22	3735057.51	1.11E-05	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00
4387	380313.22	3735057.51	1.12E-05	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00
4388	380323.22	3735057.51	1.13E-05	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00
4389	380333.22	3735057.51	1.14E-05	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00
4390	380343.22	3735057.51	1.15E-05	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00
4391	380353.22	3735057.51	1.16E-05	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00
4392	380263.22	3735067.51	1.09E-05	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00
4393	380273.22	3735067.51	1.10E-05	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00
4394	380283.22	3735067.51	1.10E-05	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00
4395	380293.22	3735067.51	1.11E-05	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00
4396	380303.22	3735067.51	1.12E-05	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00
4397	380313.22	3735067.51	1.12E-05	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00
4398	380323.22	3735067.51	1.14E-05	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00
4399	380333.22	3735067.51	1.15E-05	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00
4400	380343.22	3735067.51	1.15E-05	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00
4401	380353.22	3735067.51	1.17E-05	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00
4402	380263.22	3735077.51	1.10E-05	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00
4403	380273.22	3735077.51	1.10E-05	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00
4404	380283.22	3735077.51	1.11E-05	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00
4405	380293.22	3735077.51	1.12E-05	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00
4406	380303.22	3735077.51	1.12E-05	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00

4407	380313.22	3735077.51	1.13E-05	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00
4408	380323.22	3735077.51	1.14E-05	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00
4409	380333.22	3735077.51	1.15E-05	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00
4410	380343.22	3735077.51	1.16E-05	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00
4411	380353.22	3735077.51	1.17E-05	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00
4412	380263.22	3735087.51	1.10E-05	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00
4413	380273.22	3735087.51	1.11E-05	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00
4414	380283.22	3735087.51	1.11E-05	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00
4415	380293.22	3735087.51	1.12E-05	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00
4416	380303.22	3735087.51	1.13E-05	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00
4417	380313.22	3735087.51	1.14E-05	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00
4418	380323.22	3735087.51	1.15E-05	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00
4419	380333.22	3735087.51	1.16E-05	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00
4420	380343.22	3735087.51	1.17E-05	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00
4421	380353.22	3735087.51	1.18E-05	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00
4422	380263.22	3735097.51	1.11E-05	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00
4423	380273.22	3735097.51	1.12E-05	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00
4424	380283.22	3735097.51	1.12E-05	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00
4425	380293.22	3735097.51	1.13E-05	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00
4426	380303.22	3735097.51	1.14E-05	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00
4427	380313.22	3735097.51	1.15E-05	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00
4428	380323.22	3735097.51	1.16E-05	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00
4429	380333.22	3735097.51	1.17E-05	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00
4430	380343.22	3735097.51	1.18E-05	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00
4431	380353.22	3735097.51	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00
4432	380263.22	3735107.51	1.12E-05	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00
4433	380273.22	3735107.51	1.12E-05	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00
4434	380283.22	3735107.51	1.13E-05	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00
4435	380293.22	3735107.51	1.14E-05	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00
4436	380303.22	3735107.51	1.15E-05	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00
4437	380313.22	3735107.51	1.16E-05	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00
4438	380323.22	3735107.51	1.17E-05	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00
4439	380333.22	3735107.51	1.18E-05	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00
4440	380343.22	3735107.51	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00
4441	380353.22	3735107.51	1.20E-05	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00
4442	380263.22	3735117.51	1.12E-05	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00
4443	380273.22	3735117.51	1.13E-05	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00
4444	380283.22	3735117.51	1.14E-05	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00
4445	380293.22	3735117.51	1.15E-05	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00
4446	380303.22	3735117.51	1.16E-05	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00
4447	380313.22	3735117.51	1.17E-05	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00
4448	380323.22	3735117.51	1.18E-05	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00
4449	380333.22	3735117.51	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00
4450	380343.22	3735117.51	1.20E-05	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00
4451	380353.22	3735117.51	1.21E-05	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00
4452	380263.22	3735127.51	1.13E-05	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00
4453	380273.22	3735127.51	1.14E-05	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00
4454	380283.22	3735127.51	1.15E-05	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00
4455	380293.22	3735127.51	1.15E-05	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00
4456	380303.22	3735127.51	1.16E-05	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00
4457	380313.22	3735127.51	1.18E-05	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00
4458	380323.22	3735127.51	1.18E-05	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00
4459	380333.22	3735127.51	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00
4460	380343.22	3735127.51	1.20E-05	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00
4461	380353.22	3735127.51	1.22E-05	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00
4462	380263.22	3735137.51	1.14E-05	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00
4463	380273.22	3735137.51	1.14E-05	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00
4464	380283.22	3735137.51	1.15E-05	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00
4465	380293.22	3735137.51	1.16E-05	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00
4466	380303.22	3735137.51	1.17E-05	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00
4467	380313.22	3735137.51	1.18E-05	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00
4468	380323.22	3735137.51	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00
4469	380333.22	3735137.51	1.20E-05	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00
4470	380343.22	3735137.51	1.22E-05	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00
4471	380263.22	3735147.51	1.14E-05	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00
4472	380273.22	3735147.51	1.15E-05	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00
4473	380283.22	3735147.51	1.16E-05	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00
4474	380293.22	3735147.51	1.17E-05	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00
4475	380303.22	3735147.51	1.18E-05	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00
4476	380313.22	3735147.51	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00
4477	380323.22	3735147.51	1.20E-05	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00
4478	380333.22	3735147.51	1.21E-05	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00
4479	380343.22	3735147.51	1.22E-05	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00
4480	380263.22	3735157.51	1.15E-05	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00
4481	380273.22	3735157.51	1.16E-05	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00
4482	380283.22	3735157.51	1.17E-05	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00
4483	380293.22	3735157.51	1.18E-05	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00
4484	380303.22	3735157.51	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00
4485	380313.22	3735157.51	1.20E-05	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00
4486	380323.22	3735157.51	1.21E-05	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00
4487	380333.22	3735157.51	1.22E-05	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00
4488	380343.22	3735157.51	1.23E-05	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00
4489	380263.22	3735167.51	1.16E-05	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00
4490	380273.22	3735167.51	1.16E-05	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00
4491	380283.22	3735167.51	1.17E-05	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00
4492	380293.22	3735167.51	1.18E-05	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00
4493	380303.22	3735167.51	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00
4494	380313.22	3735167.51	1.20E-05	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00
4495	380323.22	3735167.51	1.22E-05	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00
4496	380333.22	3735167.51	1.23E-05	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00

4497	380263.22	3735177.51	1.16E-05	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00
4498	380273.22	3735177.51	1.17E-05	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00
4499	380283.22	3735177.51	1.18E-05	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00
4500	380293.22	3735177.51	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00
4501	380303.22	3735177.51	1.20E-05	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00
4502	380313.22	3735177.51	1.21E-05	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00
4503	380323.22	3735177.51	1.22E-05	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00
4504	380333.22	3735177.51	1.23E-05	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00
4505	380263.22	3735187.51	1.17E-05	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00
4506	380273.22	3735187.51	1.18E-05	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00
4507	380283.22	3735187.51	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00
4508	380293.22	3735187.51	1.20E-05	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00
4509	380303.22	3735187.51	1.21E-05	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00
4510	380313.22	3735187.51	1.22E-05	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00
4511	380323.22	3735187.51	1.23E-05	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00
4512	380333.22	3735187.51	1.24E-05	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00
4513	380263.22	3735197.51	1.18E-05	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00
4514	380273.22	3735197.51	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00
4515	380283.22	3735197.51	1.20E-05	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00
4516	380293.22	3735197.51	1.21E-05	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00
4517	380303.22	3735197.51	1.22E-05	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00
4518	380313.22	3735197.51	1.23E-05	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00
4519	380323.22	3735197.51	1.24E-05	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00
4520	380333.22	3735197.51	1.25E-05	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00
4521	380263.22	3735207.51	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00
4522	380273.22	3735207.51	1.20E-05	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00
4523	380283.22	3735207.51	1.21E-05	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00
4524	380293.22	3735207.51	1.22E-05	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00
4525	380303.22	3735207.51	1.23E-05	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00
4526	380313.22	3735207.51	1.24E-05	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00
4527	380323.22	3735207.51	1.25E-05	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00
4528	380333.22	3735207.51	1.26E-05	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00
4529	380263.22	3735217.51	1.20E-05	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00
4530	380273.22	3735217.51	1.21E-05	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00
4531	380283.22	3735217.51	1.22E-05	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00
4532	380293.22	3735217.51	1.23E-05	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00
4533	380303.22	3735217.51	1.24E-05	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00
4534	380313.22	3735217.51	1.25E-05	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00
4535	380323.22	3735217.51	1.26E-05	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00
4536	380333.22	3735217.51	1.27E-05	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00
4537	380263.22	3735227.51	1.21E-05	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00
4538	380273.22	3735227.51	1.22E-05	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00
4539	380283.22	3735227.51	1.23E-05	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00
4540	380293.22	3735227.51	1.24E-05	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00
4541	380303.22	3735227.51	1.25E-05	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00
4542	380313.22	3735227.51	1.26E-05	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00
4543	380323.22	3735227.51	1.27E-05	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00
4544	380333.22	3735227.51	1.28E-05	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00
4545	380263.22	3735237.51	1.22E-05	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00
4546	380273.22	3735237.51	1.23E-05	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00
4547	380283.22	3735237.51	1.24E-05	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00
4548	380293.22	3735237.51	1.25E-05	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00
4549	380303.22	3735237.51	1.26E-05	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00
4550	380313.22	3735237.51	1.27E-05	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00
4551	380323.22	3735237.51	1.28E-05	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00
4552	380333.22	3735237.51	1.29E-05	0.00E+00	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00
4553	380263.22	3735247.51	1.23E-05	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00
4554	380273.22	3735247.51	1.24E-05	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00
4555	380283.22	3735247.51	1.25E-05	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00
4556	380293.22	3735247.51	1.26E-05	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00
4557	380303.22	3735247.51	1.27E-05	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00
4558	380313.22	3735247.51	1.28E-05	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00
4559	380323.22	3735247.51	1.29E-05	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00
4560	380333.22	3735247.51	1.30E-05	0.00E+00	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00
4561	380263.22	3735257.51	1.24E-05	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00
4562	380273.22	3735257.51	1.25E-05	0.00E+00	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00
4563	380283.22	3735257.51	1.26E-05	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00
4564	380293.22	3735257.51	1.27E-05	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00
4565	380303.22	3735257.51	1.28E-05	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00
4566	380313.22	3735257.51	1.29E-05	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00
4567	380323.22	3735257.51	1.30E-05	0.00E+00	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00
4568	380333.22	3735257.51	1.31E-05	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00
4569	380263.22	3735267.51	1.26E-05	0.00E+00	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00
4570	380273.22	3735267.51	1.26E-05	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00
4571	380283.22	3735267.51	1.27E-05	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00
4572	380293.22	3735267.51	1.28E-05	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00
4573	380303.22	3735267.51	1.29E-05	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00
4574	380313.22	3735267.51	1.30E-05	0.00E+00	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00
4575	380323.22	3735267.51	1.31E-05	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00
4576	380333.22	3735267.51	1.32E-05	0.00E+00	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00
4577	380343.22	3735267.51	1.34E-05	0.00E+00	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00
4578	380263.22	3735297.51	1.29E-05	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00
4579	380273.22	3735297.51	1.30E-05	0.00E+00	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00
4580	380283.22	3735297.51	1.31E-05	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00
4581	380293.22	3735297.51	1.32E-05	0.00E+00	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00
4582	380303.22	3735297.51	1.33E-05	0.00E+00	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00
4583	380313.22	3735297.51	1.34E-05	0.00E+00	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00
4584	380323.22	3735297.51	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00
4585	380333.22	3735297.51	1.36E-05	0.00E+00	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00
4586	380343.22	3735297.51	1.38E-05	0.00E+00	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00

4587	380263.22	3735307.51	1.30E-05	0.00E+00	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00
4588	380273.22	3735307.51	1.31E-05	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00
4589	380283.22	3735307.51	1.32E-05	0.00E+00	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00
4590	380293.22	3735307.51	1.33E-05	0.00E+00	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00
4591	380303.22	3735307.51	1.34E-05	0.00E+00	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00
4592	380313.22	3735307.51	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00
4593	380323.22	3735307.51	1.36E-05	0.00E+00	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00
4594	380333.22	3735307.51	1.38E-05	0.00E+00	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00
4595	380343.22	3735307.51	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00
4596	380263.22	3735317.51	1.31E-05	0.00E+00	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00
4597	380273.22	3735317.51	1.32E-05	0.00E+00	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00
4598	380283.22	3735317.51	1.33E-05	0.00E+00	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00
4599	380293.22	3735317.51	1.34E-05	0.00E+00	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00
4600	380303.22	3735317.51	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00
4601	380313.22	3735317.51	1.36E-05	0.00E+00	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00
4602	380323.22	3735317.51	1.38E-05	0.00E+00	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00
4603	380333.22	3735317.51	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00
4604	380343.22	3735317.51	1.40E-05	0.00E+00	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00
4605	380263.22	3735327.51	1.33E-05	0.00E+00	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00
4606	380273.22	3735327.51	1.33E-05	0.00E+00	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00
4607	380283.22	3735327.51	1.34E-05	0.00E+00	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00
4608	380293.22	3735327.51	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00
4609	380303.22	3735327.51	1.36E-05	0.00E+00	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00
4610	380313.22	3735327.51	1.38E-05	0.00E+00	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00
4611	380323.22	3735327.51	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00
4612	380333.22	3735327.51	1.40E-05	0.00E+00	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00
4613	380343.22	3735327.51	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
4614	380263.22	3735337.51	1.34E-05	0.00E+00	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00
4615	380273.22	3735337.51	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00
4616	380283.22	3735337.51	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00
4617	380293.22	3735337.51	1.37E-05	0.00E+00	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00
4618	380303.22	3735337.51	1.38E-05	0.00E+00	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00
4619	380313.22	3735337.51	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00
4620	380323.22	3735337.51	1.40E-05	0.00E+00	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00
4621	380333.22	3735337.51	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
4622	380343.22	3735337.51	1.42E-05	0.00E+00	0.00E+00	0.00E+00	2.19E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00
4623	380263.22	3735347.51	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00
4624	380273.22	3735347.51	1.36E-05	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00
4625	380283.22	3735347.51	1.37E-05	0.00E+00	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00
4626	380293.22	3735347.51	1.38E-05	0.00E+00	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00
4627	380303.22	3735347.51	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00
4628	380313.22	3735347.51	1.40E-05	0.00E+00	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00
4629	380323.22	3735347.51	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
4630	380333.22	3735347.51	1.42E-05	0.00E+00	0.00E+00	0.00E+00	2.19E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00
4631	380343.22	3735347.51	1.43E-05	0.00E+00	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00
4632	380263.22	3735357.51	1.36E-05	0.00E+00	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00
4633	380273.22	3735357.51	1.37E-05	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00
4634	380283.22	3735357.51	1.38E-05	0.00E+00	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00
4635	380293.22	3735357.51	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00
4636	380303.22	3735357.51	1.40E-05	0.00E+00	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00
4637	380313.22	3735357.51	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
4638	380323.22	3735357.51	1.42E-05	0.00E+00	0.00E+00	0.00E+00	2.19E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00
4639	380333.22	3735357.51	1.43E-05	0.00E+00	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00
4640	380343.22	3735357.51	1.45E-05	0.00E+00	0.00E+00	0.00E+00	2.23E-06	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00
4641	380263.22	3735367.51	1.37E-05	0.00E+00	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00
4642	380273.22	3735367.51	1.38E-05	0.00E+00	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00
4643	380283.22	3735367.51	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00
4644	380293.22	3735367.51	1.40E-05	0.00E+00	0.00E+00	0.00E+00	2.16E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00
4645	380303.22	3735367.51	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
4646	380313.22	3735367.51	1.42E-05	0.00E+00	0.00E+00	0.00E+00	2.19E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00
4647	380323.22	3735367.51	1.43E-05	0.00E+00	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00
4648	380333.22	3735367.51	1.45E-05	0.00E+00	0.00E+00	0.00E+00	2.23E-06	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00
4649	380343.22	3735367.51	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
4650	380263.22	3735377.51	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00
4651	380273.22	3735377.51	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00
4652	380283.22	3735377.51	1.40E-05	0.00E+00	0.00E+00	0.00E+00	2.16E-06	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
4653	380293.22	3735377.51	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00
4654	380303.22	3735377.51	1.42E-05	0.00E+00	0.00E+00	0.00E+00	2.19E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00
4655	380313.22	3735377.51	1.43E-05	0.00E+00	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00
4656	380323.22	3735377.51	1.45E-05	0.00E+00	0.00E+00	0.00E+00	2.23E-06	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00
4657	380333.22	3735377.51	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
4658	380343.22	3735377.51	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
4659	380263.22	3735387.51	1.40E-05	0.00E+00	0.00E+00	0.00E+00	2.16E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00
4660	380273.22	3735387.51	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
4661	380283.22	3735387.51	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00
4662	380293.22	3735387.51	1.42E-05	0.00E+00	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00
4663	380303.22	3735387.51	1.43E-05	0.00E+00	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00
4664	380313.22	3735387.51	1.45E-05	0.00E+00	0.00E+00	0.00E+00	2.23E-06	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00
4665	380323.22	3735387.51	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00
4666	380333.22	3735387.51	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
4667	380343.22	3735387.51	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
4668	380263.22	3735397.51	1.42E-05	0.00E+00	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00
4669	380273.22	3735397.51	1.42E-05	0.00E+00	0.00E+00	0.00E+00	2.19E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00
4670	380283.22	3735397.51	1.43E-05	0.00E+00	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00
4671	380293.22	3735397.51	1.44E-05	0.00E+00	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00
4672	380303.22	3735397.51	1.45E-05	0.00E+00	0.00E+00	0.00E+00	2.24E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
4673	380313.22	3735397.51	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00
4674	380323.22	3735397.51	1.48E-05	0.00E+00	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
4675	380333.22	3735397.51	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.30E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
4676	380343.22	3735397.51	1.51E-05	0.00E+00	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00

4677	380263.22	3735407.51	1.43E-05	0.00E+00	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00
4678	380273.22	3735407.51	1.44E-05	0.00E+00	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00
4679	380283.22	3735407.51	1.45E-05	0.00E+00	0.00E+00	0.00E+00	2.23E-06	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00
4680	380293.22	3735407.51	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.24E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
4681	380303.22	3735407.51	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.26E-06	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00
4682	380313.22	3735407.51	1.48E-05	0.00E+00	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
4683	380323.22	3735407.51	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.30E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
4684	380333.22	3735407.51	1.51E-05	0.00E+00	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
4685	380343.22	3735407.51	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
4686	380263.22	3735417.51	1.45E-05	0.00E+00	0.00E+00	0.00E+00	2.24E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
4687	380273.22	3735417.51	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
4688	380283.22	3735417.51	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00
4689	380293.22	3735417.51	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
4690	380303.22	3735417.51	1.48E-05	0.00E+00	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00
4691	380313.22	3735417.51	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
4692	380323.22	3735417.51	1.51E-05	0.00E+00	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
4693	380333.22	3735417.51	1.53E-05	0.00E+00	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
4694	380263.22	3735427.51	1.48E-05	0.00E+00	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
4695	380273.22	3735427.51	1.48E-05	0.00E+00	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00
4696	380283.22	3735427.51	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00
4697	380293.22	3735427.51	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
4698	380303.22	3735427.51	1.51E-05	0.00E+00	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
4699	380313.22	3735427.51	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.34E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
4700	380323.22	3735427.51	1.53E-05	0.00E+00	0.00E+00	0.00E+00	2.36E-06	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00
4701	380333.22	3735427.51	1.55E-05	0.00E+00	0.00E+00	0.00E+00	2.39E-06	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00
4702	380263.22	3735437.51	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
4703	380273.22	3735437.51	1.51E-05	0.00E+00	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
4704	380283.22	3735437.51	1.51E-05	0.00E+00	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
4705	380293.22	3735437.51	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
4706	380303.22	3735437.51	1.53E-05	0.00E+00	0.00E+00	0.00E+00	2.36E-06	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00
4707	380313.22	3735437.51	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00
4708	380323.22	3735437.51	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.40E-06	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00
4709	380333.22	3735437.51	1.57E-05	0.00E+00	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
4710	379726.59	3735430.99	1.13E-05	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00
4711	379746.59	3735430.99	1.14E-05	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00
4712	379766.59	3735430.99	1.16E-05	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00
4713	379786.59	3735430.99	1.17E-05	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00
4714	379806.59	3735430.99	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00
4715	379826.59	3735430.99	1.20E-05	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00
4716	379846.59	3735430.99	1.21E-05	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00
4717	379866.59	3735430.99	1.22E-05	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00
4718	379886.59	3735430.99	1.24E-05	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00
4719	379906.59	3735430.99	1.25E-05	0.00E+00	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00
4720	379926.59	3735430.99	1.27E-05	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00
4721	379946.59	3735430.99	1.28E-05	0.00E+00	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00
4722	379966.59	3735430.99	1.30E-05	0.00E+00	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00
4723	379986.59	3735430.99	1.32E-05	0.00E+00	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00
4724	379726.59	3735450.99	1.15E-05	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00
4725	379746.59	3735450.99	1.16E-05	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00
4726	379766.59	3735450.99	1.18E-05	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00
4727	379786.59	3735450.99	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00
4728	379806.59	3735450.99	1.20E-05	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00
4729	379826.59	3735450.99	1.22E-05	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00
4730	379846.59	3735450.99	1.23E-05	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00
4731	379866.59	3735450.99	1.25E-05	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00
4732	379886.59	3735450.99	1.26E-05	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00
4733	379906.59	3735450.99	1.28E-05	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00
4734	379926.59	3735450.99	1.29E-05	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00
4735	379946.59	3735450.99	1.31E-05	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00
4736	379966.59	3735450.99	1.33E-05	0.00E+00	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00
4737	379986.59	3735450.99	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00
4738	379726.59	3735470.99	1.16E-05	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00
4739	379746.59	3735470.99	1.18E-05	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00
4740	379766.59	3735470.99	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00
4741	379786.59	3735470.99	1.21E-05	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00
4742	379806.59	3735470.99	1.22E-05	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00
4743	379826.59	3735470.99	1.23E-05	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00
4744	379846.59	3735470.99	1.25E-05	0.00E+00	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00
4745	379866.59	3735470.99	1.27E-05	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00
4746	379886.59	3735470.99	1.28E-05	0.00E+00	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00
4747	379906.59	3735470.99	1.30E-05	0.00E+00	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00
4748	379926.59	3735470.99	1.32E-05	0.00E+00	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00
4749	379946.59	3735470.99	1.34E-05	0.00E+00	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00
4750	379966.59	3735470.99	1.36E-05	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00
4751	379986.59	3735470.99	1.37E-05	0.00E+00	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00
4752	379726.59	3735490.99	1.18E-05	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00
4753	379746.59	3735490.99	1.20E-05	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00
4754	379766.59	3735490.99	1.21E-05	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00
4755	379786.59	3735490.99	1.22E-05	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00
4756	379806.59	3735490.99	1.24E-05	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00
4757	379826.59	3735490.99	1.25E-05	0.00E+00	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00
4758	379846.59	3735490.99	1.27E-05	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00
4759	379866.59	3735490.99	1.29E-05	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00
4760	379886.59	3735490.99	1.30E-05	0.00E+00	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00
4761	379906.59	3735490.99	1.32E-05	0.00E+00	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00
4762	379926.59	3735490.99	1.34E-05	0.00E+00	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00
4763	379946.59	3735490.99	1.36E-05	0.00E+00	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00
4764	379966.59	3735490.99	1.38E-05	0.00E+00	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00
4765	379986.59	3735490.99	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00
4766	379726.59	3735510.99	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00

4767	379746.59	3735510.99	1.21E-05	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00
4768	379766.59	3735510.99	1.23E-05	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00
4769	379786.59	3735510.99	1.24E-05	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00
4770	379806.59	3735510.99	1.26E-05	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00
4771	379826.59	3735510.99	1.27E-05	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00
4772	379846.59	3735510.99	1.29E-05	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00
4773	379866.59	3735510.99	1.31E-05	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00
4774	379886.59	3735510.99	1.33E-05	0.00E+00	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00
4775	379906.59	3735510.99	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00
4776	379926.59	3735510.99	1.37E-05	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00
4777	379946.59	3735510.99	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00
4778	379966.59	3735510.99	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
4779	379986.59	3735510.99	1.42E-05	0.00E+00	0.00E+00	0.00E+00	2.19E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00
4780	379726.59	3735530.99	1.21E-05	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00
4781	379746.59	3735530.99	1.22E-05	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00
4782	379766.59	3735530.99	1.24E-05	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00
4783	379786.59	3735530.99	1.26E-05	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00
4784	379806.59	3735530.99	1.27E-05	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00
4785	379826.59	3735530.99	1.29E-05	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00
4786	379846.59	3735530.99	1.31E-05	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00
4787	379866.59	3735530.99	1.33E-05	0.00E+00	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00
4788	379886.59	3735530.99	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00
4789	379906.59	3735530.99	1.37E-05	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00
4790	379926.59	3735530.99	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00
4791	379946.59	3735530.99	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
4792	379966.59	3735530.99	1.43E-05	0.00E+00	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00
4793	379986.59	3735530.99	1.45E-05	0.00E+00	0.00E+00	0.00E+00	2.24E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
4794	379726.59	3735550.99	1.22E-05	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00
4795	379746.59	3735550.99	1.24E-05	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00
4796	379766.59	3735550.99	1.26E-05	0.00E+00	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00
4797	379786.59	3735550.99	1.27E-05	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00
4798	379806.59	3735550.99	1.29E-05	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00
4799	379826.59	3735550.99	1.31E-05	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00
4800	379846.59	3735550.99	1.33E-05	0.00E+00	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00
4801	379866.59	3735550.99	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00
4802	379886.59	3735550.99	1.37E-05	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00
4803	379906.59	3735550.99	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00
4804	379926.59	3735550.99	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
4805	379946.59	3735550.99	1.43E-05	0.00E+00	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00
4806	379966.59	3735550.99	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.24E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
4807	379986.59	3735550.99	1.48E-05	0.00E+00	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
4808	379726.59	3735570.99	1.23E-05	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00
4809	379746.59	3735570.99	1.25E-05	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00
4810	379766.59	3735570.99	1.27E-05	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00
4811	379786.59	3735570.99	1.29E-05	0.00E+00	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00
4812	379806.59	3735570.99	1.31E-05	0.00E+00	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00
4813	379826.59	3735570.99	1.33E-05	0.00E+00	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00
4814	379846.59	3735570.99	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00
4815	379866.59	3735570.99	1.37E-05	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00
4816	379886.59	3735570.99	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00
4817	379906.59	3735570.99	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
4818	379926.59	3735570.99	1.43E-05	0.00E+00	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00
4819	379946.59	3735570.99	1.45E-05	0.00E+00	0.00E+00	0.00E+00	2.24E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
4820	379966.59	3735570.99	1.48E-05	0.00E+00	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
4821	379986.59	3735570.99	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
4822	379726.59	3735590.99	1.24E-05	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00
4823	379746.59	3735590.99	1.26E-05	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00
4824	379766.59	3735590.99	1.28E-05	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00
4825	379786.59	3735590.99	1.30E-05	0.00E+00	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00
4826	379806.59	3735590.99	1.32E-05	0.00E+00	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00
4827	379826.59	3735590.99	1.34E-05	0.00E+00	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00
4828	379846.59	3735590.99	1.36E-05	0.00E+00	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00
4829	379866.59	3735590.99	1.38E-05	0.00E+00	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00
4830	379886.59	3735590.99	1.40E-05	0.00E+00	0.00E+00	0.00E+00	2.16E-06	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
4831	379906.59	3735590.99	1.42E-05	0.00E+00	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00
4832	379926.59	3735590.99	1.45E-05	0.00E+00	0.00E+00	0.00E+00	2.23E-06	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00
4833	379946.59	3735590.99	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
4834	379966.59	3735590.99	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
4835	379986.59	3735590.99	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
4836	379726.59	3735610.99	1.26E-05	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00
4837	379746.59	3735610.99	1.28E-05	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00
4838	379766.59	3735610.99	1.30E-05	0.00E+00	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00
4839	379786.59	3735610.99	1.32E-05	0.00E+00	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00
4840	379806.59	3735610.99	1.33E-05	0.00E+00	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00
4841	379826.59	3735610.99	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00
4842	379846.59	3735610.99	1.38E-05	0.00E+00	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00
4843	379866.59	3735610.99	1.40E-05	0.00E+00	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00
4844	379886.59	3735610.99	1.42E-05	0.00E+00	0.00E+00	0.00E+00	2.19E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00
4845	379906.59	3735610.99	1.44E-05	0.00E+00	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00
4846	379926.59	3735610.99	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.26E-06	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00
4847	379946.59	3735610.99	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.30E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
4848	379966.59	3735610.99	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
4849	379986.59	3735610.99	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00
4850	379726.59	3735630.99	1.28E-05	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00
4851	379746.59	3735630.99	1.30E-05	0.00E+00	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00
4852	379766.59	3735630.99	1.31E-05	0.00E+00	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00
4853	379786.59	3735630.99	1.33E-05	0.00E+00	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00
4854	379806.59	3735630.99	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00
4855	379826.59	3735630.99	1.37E-05	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00
4856	379846.59	3735630.99	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00

4857	379866.59	3735630.99	1.42E-05	0.00E+00	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00
4858	379886.59	3735630.99	1.44E-05	0.00E+00	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00
4859	379906.59	3735630.99	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00
4860	379926.59	3735630.99	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00
4861	379946.59	3735630.99	1.51E-05	0.00E+00	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
4862	379966.59	3735630.99	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.37E-06	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00
4863	379986.59	3735630.99	1.57E-05	0.00E+00	0.00E+00	0.00E+00	2.41E-06	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00
4864	380006.59	3735630.99	1.59E-05	0.00E+00	0.00E+00	0.00E+00	2.46E-06	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00
4865	380026.59	3735630.99	1.62E-05	0.00E+00	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00
4866	380046.59	3735630.99	1.66E-05	0.00E+00	0.00E+00	0.00E+00	2.55E-06	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00
4867	380066.59	3735630.99	1.69E-05	0.00E+00	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
4868	380086.59	3735630.99	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.67E-06	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00
4869	380106.59	3735630.99	1.78E-05	0.00E+00	0.00E+00	0.00E+00	2.74E-06	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00
4870	379726.59	3735650.99	1.30E-05	0.00E+00	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00
4871	379746.59	3735650.99	1.31E-05	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00
4872	379766.59	3735650.99	1.33E-05	0.00E+00	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00
4873	379786.59	3735650.99	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00
4874	379806.59	3735650.99	1.37E-05	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00
4875	379826.59	3735650.99	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00
4876	379846.59	3735650.99	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00
4877	379866.59	3735650.99	1.44E-05	0.00E+00	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00
4878	379886.59	3735650.99	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
4879	379906.59	3735650.99	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00
4880	379926.59	3735650.99	1.51E-05	0.00E+00	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
4881	379946.59	3735650.99	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.37E-06	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00
4882	379966.59	3735650.99	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.41E-06	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00
4883	379986.59	3735650.99	1.59E-05	0.00E+00	0.00E+00	0.00E+00	2.46E-06	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00
4884	380006.59	3735650.99	1.62E-05	0.00E+00	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00
4885	380026.59	3735650.99	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
4886	380046.59	3735650.99	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.60E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
4887	380066.59	3735650.99	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.67E-06	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00
4888	380086.59	3735650.99	1.78E-05	0.00E+00	0.00E+00	0.00E+00	2.74E-06	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00
4889	380106.59	3735650.99	1.82E-05	0.00E+00	0.00E+00	0.00E+00	2.81E-06	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00
4890	379726.59	3735670.99	1.31E-05	0.00E+00	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00
4891	379746.59	3735670.99	1.33E-05	0.00E+00	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00
4892	379766.59	3735670.99	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00
4893	379786.59	3735670.99	1.37E-05	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00
4894	379806.59	3735670.99	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00
4895	379826.59	3735670.99	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
4896	379846.59	3735670.99	1.43E-05	0.00E+00	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00
4897	379866.59	3735670.99	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
4898	379886.59	3735670.99	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00
4899	379906.59	3735670.99	1.51E-05	0.00E+00	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
4900	379926.59	3735670.99	1.53E-05	0.00E+00	0.00E+00	0.00E+00	2.36E-06	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00
4901	379946.59	3735670.99	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.40E-06	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00
4902	379966.59	3735670.99	1.59E-05	0.00E+00	0.00E+00	0.00E+00	2.45E-06	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00
4903	379986.59	3735670.99	1.62E-05	0.00E+00	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00
4904	380006.59	3735670.99	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
4905	380026.59	3735670.99	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.58E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
4906	380046.59	3735670.99	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.64E-06	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00
4907	379726.59	3735690.99	1.33E-05	0.00E+00	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00
4908	379746.59	3735690.99	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00
4909	379766.59	3735690.99	1.37E-05	0.00E+00	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00
4910	379786.59	3735690.99	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00
4911	379806.59	3735690.99	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00
4912	379826.59	3735690.99	1.44E-05	0.00E+00	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00
4913	379846.59	3735690.99	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
4914	379866.59	3735690.99	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00
4915	379886.59	3735690.99	1.51E-05	0.00E+00	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
4916	379906.59	3735690.99	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.37E-06	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00
4917	379926.59	3735690.99	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.41E-06	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00
4918	379946.59	3735690.99	1.59E-05	0.00E+00	0.00E+00	0.00E+00	2.45E-06	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00
4919	379966.59	3735690.99	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00
4920	379986.59	3735690.99	1.64E-05	0.00E+00	0.00E+00	0.00E+00	2.53E-06	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00
4921	380006.59	3735690.99	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
4922	380026.59	3735690.99	1.70E-05	0.00E+00	0.00E+00	0.00E+00	2.63E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
4923	380046.59	3735690.99	1.74E-05	0.00E+00	0.00E+00	0.00E+00	2.68E-06	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00
4924	379726.59	3735710.99	1.35E-05	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00
4925	379746.59	3735710.99	1.38E-05	0.00E+00	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00
4926	379766.59	3735710.99	1.40E-05	0.00E+00	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00
4927	379786.59	3735710.99	1.42E-05	0.00E+00	0.00E+00	0.00E+00	2.19E-06	0.00E+00	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00
4928	379806.59	3735710.99	1.44E-05	0.00E+00	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00
4929	379826.59	3735710.99	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.26E-06	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00
4930	379846.59	3735710.99	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
4931	379866.59	3735710.99	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
4932	379886.59	3735710.99	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00
4933	379906.59	3735710.99	1.57E-05	0.00E+00	0.00E+00	0.00E+00	2.42E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
4934	379926.59	3735710.99	1.59E-05	0.00E+00	0.00E+00	0.00E+00	2.45E-06	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00
4935	379946.59	3735710.99	1.62E-05	0.00E+00	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00
4936	379966.59	3735710.99	1.64E-05	0.00E+00	0.00E+00	0.00E+00	2.53E-06	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00
4937	379986.59	3735710.99	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
4938	380006.59	3735710.99	1.70E-05	0.00E+00	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
4939	380026.59	3735710.99	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.67E-06	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00
4940	380046.59	3735710.99	1.77E-05	0.00E+00	0.00E+00	0.00E+00	2.73E-06	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00
4941	379726.59	3735730.99	1.37E-05	0.00E+00	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00
4942	379746.59	3735730.99	1.40E-05	0.00E+00	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00
4943	379766.59	3735730.99	1.42E-05	0.00E+00	0.00E+00	0.00E+00	2.19E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00
4944	379786.59	3735730.99	1.44E-05	0.00E+00	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00
4945	379806.59	3735730.99	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.26E-06	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00
4946	379826.59	3735730.99	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.30E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00

4947	379846.59	3735730.99	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.34E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
4948	379866.59	3735730.99	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00
4949	379886.59	3735730.99	1.57E-05	0.00E+00	0.00E+00	0.00E+00	2.42E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
4950	379906.59	3735730.99	1.60E-05	0.00E+00	0.00E+00	0.00E+00	2.46E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
4951	379926.59	3735730.99	1.62E-05	0.00E+00	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00
4952	379946.59	3735730.99	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
4953	379966.59	3735730.99	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.58E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
4954	379986.59	3735730.99	1.70E-05	0.00E+00	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
4955	380006.59	3735730.99	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.67E-06	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00
4956	380026.59	3735730.99	1.77E-05	0.00E+00	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
4957	380046.59	3735730.99	1.81E-05	0.00E+00	0.00E+00	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00
4958	379726.59	3735750.99	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00
4959	379746.59	3735750.99	1.42E-05	0.00E+00	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00
4960	379766.59	3735750.99	1.44E-05	0.00E+00	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00
4961	379786.59	3735750.99	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.26E-06	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00
4962	379806.59	3735750.99	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.30E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
4963	379826.59	3735750.99	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.34E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
4964	379846.59	3735750.99	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00
4965	379866.59	3735750.99	1.57E-05	0.00E+00	0.00E+00	0.00E+00	2.42E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
4966	379886.59	3735750.99	1.60E-05	0.00E+00	0.00E+00	0.00E+00	2.46E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
4967	379906.59	3735750.99	1.63E-05	0.00E+00	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
4968	379926.59	3735750.99	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.55E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
4969	379946.59	3735750.99	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.59E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
4970	379966.59	3735750.99	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.63E-06	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00
4971	379986.59	3735750.99	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.67E-06	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00
4972	380006.59	3735750.99	1.77E-05	0.00E+00	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
4973	380026.59	3735750.99	1.81E-05	0.00E+00	0.00E+00	0.00E+00	2.78E-06	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00
4974	380046.59	3735750.99	1.85E-05	0.00E+00	0.00E+00	0.00E+00	2.85E-06	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00
4975	379726.59	3735770.99	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
4976	379746.59	3735770.99	1.44E-05	0.00E+00	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00
4977	379766.59	3735770.99	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.26E-06	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00
4978	379786.59	3735770.99	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
4979	379806.59	3735770.99	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.34E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
4980	379826.59	3735770.99	1.55E-05	0.00E+00	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00
4981	379846.59	3735770.99	1.57E-05	0.00E+00	0.00E+00	0.00E+00	2.42E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
4982	379866.59	3735770.99	1.60E-05	0.00E+00	0.00E+00	0.00E+00	2.46E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
4983	379886.59	3735770.99	1.63E-05	0.00E+00	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
4984	379906.59	3735770.99	1.66E-05	0.00E+00	0.00E+00	0.00E+00	2.56E-06	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00
4985	379926.59	3735770.99	1.69E-05	0.00E+00	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00
4986	379946.59	3735770.99	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.65E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
4987	379966.59	3735770.99	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
4988	379986.59	3735770.99	1.78E-05	0.00E+00	0.00E+00	0.00E+00	2.74E-06	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00
4989	380006.59	3735770.99	1.81E-05	0.00E+00	0.00E+00	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00
4990	380026.59	3735770.99	1.85E-05	0.00E+00	0.00E+00	0.00E+00	2.85E-06	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00
4991	380046.59	3735770.99	1.89E-05	0.00E+00	0.00E+00	0.00E+00	2.92E-06	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00
4992	379726.59	3735790.99	1.43E-05	0.00E+00	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00
4993	379746.59	3735790.99	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
4994	379766.59	3735790.99	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.30E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
4995	379786.59	3735790.99	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
4996	379806.59	3735790.99	1.55E-05	0.00E+00	0.00E+00	0.00E+00	2.39E-06	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00
4997	379826.59	3735790.99	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
4998	379846.59	3735790.99	1.60E-05	0.00E+00	0.00E+00	0.00E+00	2.47E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
4999	379866.59	3735790.99	1.63E-05	0.00E+00	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
5000	379886.59	3735790.99	1.66E-05	0.00E+00	0.00E+00	0.00E+00	2.56E-06	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00
5001	379906.59	3735790.99	1.69E-05	0.00E+00	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00
5002	379926.59	3735790.99	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.66E-06	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00
5003	379946.59	3735790.99	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.71E-06	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00
5004	379966.59	3735790.99	1.79E-05	0.00E+00	0.00E+00	0.00E+00	2.76E-06	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00
5005	379986.59	3735790.99	1.82E-05	0.00E+00	0.00E+00	0.00E+00	2.81E-06	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00
5006	380006.59	3735790.99	1.86E-05	0.00E+00	0.00E+00	0.00E+00	2.86E-06	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00
5007	380026.59	3735790.99	1.90E-05	0.00E+00	0.00E+00	0.00E+00	2.92E-06	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00
5008	379726.59	3735810.99	1.45E-05	0.00E+00	0.00E+00	0.00E+00	2.24E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
5009	379746.59	3735810.99	1.48E-05	0.00E+00	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00
5010	379766.59	3735810.99	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.34E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
5011	379786.59	3735810.99	1.55E-05	0.00E+00	0.00E+00	0.00E+00	2.39E-06	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00
5012	379806.59	3735810.99	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00
5013	379826.59	3735810.99	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.48E-06	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00
5014	379846.59	3735810.99	1.63E-05	0.00E+00	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
5015	379866.59	3735810.99	1.66E-05	0.00E+00	0.00E+00	0.00E+00	2.56E-06	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00
5016	379886.59	3735810.99	1.69E-05	0.00E+00	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00
5017	379906.59	3735810.99	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.67E-06	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00
5018	379926.59	3735810.99	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
5019	379946.59	3735810.99	1.80E-05	0.00E+00	0.00E+00	0.00E+00	2.77E-06	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00
5020	379966.59	3735810.99	1.83E-05	0.00E+00	0.00E+00	0.00E+00	2.83E-06	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00
5021	379986.59	3735810.99	1.87E-05	0.00E+00	0.00E+00	0.00E+00	2.88E-06	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00
5022	380006.59	3735810.99	1.90E-05	0.00E+00	0.00E+00	0.00E+00	2.93E-06	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00
5023	380026.59	3735810.99	1.94E-05	0.00E+00	0.00E+00	0.00E+00	3.00E-06	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00
5024	379726.59	3735830.99	1.48E-05	0.00E+00	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00
5025	379746.59	3735830.99	1.51E-05	0.00E+00	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
5026	379766.59	3735830.99	1.55E-05	0.00E+00	0.00E+00	0.00E+00	2.39E-06	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00
5027	379786.59	3735830.99	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00
5028	379806.59	3735830.99	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00
5029	379826.59	3735830.99	1.64E-05	0.00E+00	0.00E+00	0.00E+00	2.53E-06	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00
5030	379846.59	3735830.99	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
5031	379866.59	3735830.99	1.69E-05	0.00E+00	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00
5032	379886.59	3735830.99	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.65E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
5033	379906.59	3735830.99	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.71E-06	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00
5034	379926.59	3735830.99	1.80E-05	0.00E+00	0.00E+00	0.00E+00	2.77E-06	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00
5035	379946.59	3735830.99	1.84E-05	0.00E+00	0.00E+00	0.00E+00	2.83E-06	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00
5036	379966.59	3735830.99	1.88E-05	0.00E+00	0.00E+00	0.00E+00	2.90E-06	0.00E+00	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00

5037	379986.59	3735830.99	1.93E-05	0.00E+00	0.00E+00	0.00E+00	2.97E-06	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00
5038	380006.59	3735830.99	1.97E-05	0.00E+00	0.00E+00	0.00E+00	3.03E-06	0.00E+00	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00
5039	380026.59	3735830.99	2.01E-05	0.00E+00	0.00E+00	0.00E+00	3.09E-06	0.00E+00	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00
5040	379726.59	3735850.99	1.51E-05	0.00E+00	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
5041	379746.59	3735850.99	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00
5042	379766.59	3735850.99	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00
5043	379786.59	3735850.99	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00
5044	379806.59	3735850.99	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
5045	379826.59	3735850.99	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.58E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
5046	379846.59	3735850.99	1.70E-05	0.00E+00	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
5047	379866.59	3735850.99	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.67E-06	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00
5048	379886.59	3735850.99	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.71E-06	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00
5049	379906.59	3735850.99	1.80E-05	0.00E+00	0.00E+00	0.00E+00	2.77E-06	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00
5050	379926.59	3735850.99	1.84E-05	0.00E+00	0.00E+00	0.00E+00	2.84E-06	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00
5051	379946.59	3735850.99	1.89E-05	0.00E+00	0.00E+00	0.00E+00	2.92E-06	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00
5052	379966.59	3735850.99	1.95E-05	0.00E+00	0.00E+00	0.00E+00	3.00E-06	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00
5053	379986.59	3735850.99	2.00E-05	0.00E+00	0.00E+00	0.00E+00	3.08E-06	0.00E+00	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00
5054	380006.59	3735850.99	2.04E-05	0.00E+00	0.00E+00	0.00E+00	3.14E-06	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00
5055	380026.59	3735850.99	2.08E-05	0.00E+00	0.00E+00	0.00E+00	3.21E-06	0.00E+00	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00
5056	379726.59	3735870.99	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.37E-06	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00
5057	379746.59	3735870.99	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
5058	379766.59	3735870.99	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00
5059	379786.59	3735870.99	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
5060	379806.59	3735870.99	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.59E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
5061	379826.59	3735870.99	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.63E-06	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00
5062	379846.59	3735870.99	1.74E-05	0.00E+00	0.00E+00	0.00E+00	2.68E-06	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00
5063	379866.59	3735870.99	1.77E-05	0.00E+00	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
5064	379886.59	3735870.99	1.80E-05	0.00E+00	0.00E+00	0.00E+00	2.77E-06	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00
5065	379906.59	3735870.99	1.84E-05	0.00E+00	0.00E+00	0.00E+00	2.84E-06	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00
5066	379926.59	3735870.99	1.89E-05	0.00E+00	0.00E+00	0.00E+00	2.92E-06	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00
5067	379946.59	3735870.99	1.95E-05	0.00E+00	0.00E+00	0.00E+00	3.01E-06	0.00E+00	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00
5068	379966.59	3735870.99	2.03E-05	0.00E+00	0.00E+00	0.00E+00	3.12E-06	0.00E+00	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00
5069	379986.59	3735870.99	2.09E-05	0.00E+00	0.00E+00	0.00E+00	3.22E-06	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00
5070	380006.59	3735870.99	2.13E-05	0.00E+00	0.00E+00	0.00E+00	3.28E-06	0.00E+00	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00
5071	379726.59	3735890.99	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.40E-06	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00
5072	379746.59	3735890.99	1.60E-05	0.00E+00	0.00E+00	0.00E+00	2.47E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
5073	379766.59	3735890.99	1.64E-05	0.00E+00	0.00E+00	0.00E+00	2.53E-06	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00
5074	379786.59	3735890.99	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.59E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
5075	379806.59	3735890.99	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.64E-06	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00
5076	379826.59	3735890.99	1.74E-05	0.00E+00	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
5077	379846.59	3735890.99	1.78E-05	0.00E+00	0.00E+00	0.00E+00	2.74E-06	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00
5078	379866.59	3735890.99	1.81E-05	0.00E+00	0.00E+00	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00
5079	379886.59	3735890.99	1.85E-05	0.00E+00	0.00E+00	0.00E+00	2.85E-06	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00
5080	379906.59	3735890.99	1.89E-05	0.00E+00	0.00E+00	0.00E+00	2.92E-06	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00
5081	379926.59	3735890.99	1.95E-05	0.00E+00	0.00E+00	0.00E+00	3.00E-06	0.00E+00	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00
5082	379946.59	3735890.99	2.02E-05	0.00E+00	0.00E+00	0.00E+00	3.11E-06	0.00E+00	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00
5083	379966.59	3735890.99	2.09E-05	0.00E+00	0.00E+00	0.00E+00	3.22E-06	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00
5084	379986.59	3735890.99	2.14E-05	0.00E+00	0.00E+00	0.00E+00	3.30E-06	0.00E+00	0.00E+00	0.00E+00	2.19E-06	0.00E+00	0.00E+00	0.00E+00
5085	380006.59	3735890.99	2.18E-05	0.00E+00	0.00E+00	0.00E+00	3.37E-06	0.00E+00	0.00E+00	0.00E+00	2.24E-06	0.00E+00	0.00E+00	0.00E+00
5086	379726.59	3735910.99	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00
5087	379746.59	3735910.99	1.63E-05	0.00E+00	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
5088	379766.59	3735910.99	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
5089	379786.59	3735910.99	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.63E-06	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00
5090	379806.59	3735910.99	1.74E-05	0.00E+00	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
5091	379826.59	3735910.99	1.78E-05	0.00E+00	0.00E+00	0.00E+00	2.74E-06	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00
5092	379846.59	3735910.99	1.81E-05	0.00E+00	0.00E+00	0.00E+00	2.80E-06	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00
5093	379866.59	3735910.99	1.85E-05	0.00E+00	0.00E+00	0.00E+00	2.85E-06	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00
5094	379886.59	3735910.99	1.89E-05	0.00E+00	0.00E+00	0.00E+00	2.92E-06	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00
5095	379906.59	3735910.99	1.94E-05	0.00E+00	0.00E+00	0.00E+00	2.99E-06	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00
5096	379926.59	3735910.99	2.00E-05	0.00E+00	0.00E+00	0.00E+00	3.09E-06	0.00E+00	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00
5097	379946.59	3735910.99	2.07E-05	0.00E+00	0.00E+00	0.00E+00	3.19E-06	0.00E+00	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00
5098	379966.59	3735910.99	2.13E-05	0.00E+00	0.00E+00	0.00E+00	3.29E-06	0.00E+00	0.00E+00	0.00E+00	2.19E-06	0.00E+00	0.00E+00	0.00E+00
5099	379986.59	3735910.99	2.19E-05	0.00E+00	0.00E+00	0.00E+00	3.37E-06	0.00E+00	0.00E+00	0.00E+00	2.24E-06	0.00E+00	0.00E+00	0.00E+00
5100	380006.59	3735910.99	2.23E-05	0.00E+00	0.00E+00	0.00E+00	3.44E-06	0.00E+00	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00
5101	379726.59	3735930.99	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.47E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
5102	379746.59	3735930.99	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
5103	379766.59	3735930.99	1.69E-05	0.00E+00	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00
5104	379786.59	3735930.99	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.67E-06	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00
5105	379806.59	3735930.99	1.77E-05	0.00E+00	0.00E+00	0.00E+00	2.74E-06	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00
5106	379826.59	3735930.99	1.81E-05	0.00E+00	0.00E+00	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00
5107	379846.59	3735930.99	1.85E-05	0.00E+00	0.00E+00	0.00E+00	2.85E-06	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00
5108	379866.59	3735930.99	1.89E-05	0.00E+00	0.00E+00	0.00E+00	2.92E-06	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00
5109	379886.59	3735930.99	1.94E-05	0.00E+00	0.00E+00	0.00E+00	2.98E-06	0.00E+00	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00
5110	379906.59	3735930.99	1.99E-05	0.00E+00	0.00E+00	0.00E+00	3.06E-06	0.00E+00	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00
5111	379926.59	3735930.99	2.05E-05	0.00E+00	0.00E+00	0.00E+00	3.16E-06	0.00E+00	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00
5112	379946.59	3735930.99	2.11E-05	0.00E+00	0.00E+00	0.00E+00	3.26E-06	0.00E+00	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00
5113	379966.59	3735930.99	2.17E-05	0.00E+00	0.00E+00	0.00E+00	3.35E-06	0.00E+00	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00
5114	379986.59	3735930.99	2.22E-05	0.00E+00	0.00E+00	0.00E+00	3.43E-06	0.00E+00	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00
5115	380006.59	3735930.99	2.27E-05	0.00E+00	0.00E+00	0.00E+00	3.50E-06	0.00E+00	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00
5116	379726.59	3735950.99	1.63E-05	0.00E+00	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
5117	379746.59	3735950.99	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.58E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
5118	379766.59	3735950.99	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.64E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
5119	379786.59	3735950.99	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.71E-06	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00
5120	379806.59	3735950.99	1.80E-05	0.00E+00	0.00E+00	0.00E+00	2.78E-06	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00
5121	379826.59	3735950.99	1.85E-05	0.00E+00	0.00E+00	0.00E+00	2.85E-06	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00
5122	379846.59	3735950.99	1.90E-05	0.00E+00	0.00E+00	0.00E+00	2.93E-06	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00
5123	379866.59	3735950.99	1.94E-05	0.00E+00	0.00E+00	0.00E+00	3.00E-06	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00
5124	379886.59	3735950.99	1.99E-05	0.00E+00	0.00E+00	0.00E+00	3.07E-06	0.00E+00	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00
5125	379906.59	3735950.99	2.04E-05	0.00E+00	0.00E+00	0.00E+00	3.15E-06	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00
5126	379926.59	3735950.99	2.10E-05	0.00E+00	0.00E+00	0.00E+00	3.23E-06	0.00E+00	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00

5127	379946.59	3735950.99	2.15E-05	0.00E+00	0.00E+00	0.00E+00	3.32E-06	0.00E+00	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00
5128	379966.59	3735950.99	2.21E-05	0.00E+00	0.00E+00	0.00E+00	3.41E-06	0.00E+00	0.00E+00	0.00E+00	2.26E-06	0.00E+00	0.00E+00	0.00E+00
5129	379986.59	3735950.99	2.27E-05	0.00E+00	0.00E+00	0.00E+00	3.49E-06	0.00E+00	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00
5130	380006.59	3735950.99	2.32E-05	0.00E+00	0.00E+00	0.00E+00	3.58E-06	0.00E+00	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00
5131	379726.59	3735970.99	1.66E-05	0.00E+00	0.00E+00	0.00E+00	2.56E-06	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00
5132	379746.59	3735970.99	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.63E-06	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00
5133	379766.59	3735970.99	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
5134	379786.59	3735970.99	1.79E-05	0.00E+00	0.00E+00	0.00E+00	2.76E-06	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00
5135	379806.59	3735970.99	1.84E-05	0.00E+00	0.00E+00	0.00E+00	2.83E-06	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00
5136	379826.59	3735970.99	1.89E-05	0.00E+00	0.00E+00	0.00E+00	2.91E-06	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00
5137	379846.59	3735970.99	1.94E-05	0.00E+00	0.00E+00	0.00E+00	2.99E-06	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00
5138	379866.59	3735970.99	1.99E-05	0.00E+00	0.00E+00	0.00E+00	3.07E-06	0.00E+00	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00
5139	379886.59	3735970.99	2.04E-05	0.00E+00	0.00E+00	0.00E+00	3.14E-06	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00
5140	379906.59	3735970.99	2.09E-05	0.00E+00	0.00E+00	0.00E+00	3.22E-06	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00
5141	379926.59	3735970.99	2.14E-05	0.00E+00	0.00E+00	0.00E+00	3.30E-06	0.00E+00	0.00E+00	0.00E+00	2.19E-06	0.00E+00	0.00E+00	0.00E+00
5142	379946.59	3735970.99	2.20E-05	0.00E+00	0.00E+00	0.00E+00	3.38E-06	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00
5143	379966.59	3735970.99	2.25E-05	0.00E+00	0.00E+00	0.00E+00	3.47E-06	0.00E+00	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00
5144	379986.59	3735970.99	2.32E-05	0.00E+00	0.00E+00	0.00E+00	3.57E-06	0.00E+00	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00
5145	380006.59	3735970.99	2.39E-05	0.00E+00	0.00E+00	0.00E+00	3.68E-06	0.00E+00	0.00E+00	0.00E+00	2.45E-06	0.00E+00	0.00E+00	0.00E+00
5146	379726.59	3735990.99	1.70E-05	0.00E+00	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
5147	379746.59	3735990.99	1.74E-05	0.00E+00	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
5148	379766.59	3735990.99	1.78E-05	0.00E+00	0.00E+00	0.00E+00	2.74E-06	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00
5149	379786.59	3735990.99	1.82E-05	0.00E+00	0.00E+00	0.00E+00	2.81E-06	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00
5150	379806.59	3735990.99	1.87E-05	0.00E+00	0.00E+00	0.00E+00	2.88E-06	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00
5151	379826.59	3735990.99	1.92E-05	0.00E+00	0.00E+00	0.00E+00	2.96E-06	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00
5152	379846.59	3735990.99	1.98E-05	0.00E+00	0.00E+00	0.00E+00	3.05E-06	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00
5153	379866.59	3735990.99	2.03E-05	0.00E+00	0.00E+00	0.00E+00	3.13E-06	0.00E+00	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00
5154	379886.59	3735990.99	2.08E-05	0.00E+00	0.00E+00	0.00E+00	3.21E-06	0.00E+00	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00
5155	379906.59	3735990.99	2.13E-05	0.00E+00	0.00E+00	0.00E+00	3.28E-06	0.00E+00	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00
5156	379926.59	3735990.99	2.18E-05	0.00E+00	0.00E+00	0.00E+00	3.36E-06	0.00E+00	0.00E+00	0.00E+00	2.24E-06	0.00E+00	0.00E+00	0.00E+00
5157	379946.59	3735990.99	2.24E-05	0.00E+00	0.00E+00	0.00E+00	3.45E-06	0.00E+00	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00
5158	379966.59	3735990.99	2.30E-05	0.00E+00	0.00E+00	0.00E+00	3.55E-06	0.00E+00	0.00E+00	0.00E+00	2.36E-06	0.00E+00	0.00E+00	0.00E+00
5159	379986.59	3735990.99	2.38E-05	0.00E+00	0.00E+00	0.00E+00	3.67E-06	0.00E+00	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00
5160	380006.59	3735990.99	2.45E-05	0.00E+00	0.00E+00	0.00E+00	3.78E-06	0.00E+00	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00
5161	379726.59	3736010.99	1.74E-05	0.00E+00	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
5162	379746.59	3736010.99	1.79E-05	0.00E+00	0.00E+00	0.00E+00	2.76E-06	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00
5163	379766.59	3736010.99	1.83E-05	0.00E+00	0.00E+00	0.00E+00	2.82E-06	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00
5164	379786.59	3736010.99	1.87E-05	0.00E+00	0.00E+00	0.00E+00	2.88E-06	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00
5165	379806.59	3736010.99	1.92E-05	0.00E+00	0.00E+00	0.00E+00	2.95E-06	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00
5166	379826.59	3736010.99	1.96E-05	0.00E+00	0.00E+00	0.00E+00	3.03E-06	0.00E+00	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00
5167	379846.59	3736010.99	2.02E-05	0.00E+00	0.00E+00	0.00E+00	3.11E-06	0.00E+00	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00
5168	379866.59	3736010.99	2.07E-05	0.00E+00	0.00E+00	0.00E+00	3.19E-06	0.00E+00	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00
5169	379886.59	3736010.99	2.12E-05	0.00E+00	0.00E+00	0.00E+00	3.27E-06	0.00E+00	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00
5170	379906.59	3736010.99	2.17E-05	0.00E+00	0.00E+00	0.00E+00	3.35E-06	0.00E+00	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00
5171	379926.59	3736010.99	2.23E-05	0.00E+00	0.00E+00	0.00E+00	3.44E-06	0.00E+00	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00
5172	379946.59	3736010.99	2.29E-05	0.00E+00	0.00E+00	0.00E+00	3.53E-06	0.00E+00	0.00E+00	0.00E+00	2.34E-06	0.00E+00	0.00E+00	0.00E+00
5173	379966.59	3736010.99	2.36E-05	0.00E+00	0.00E+00	0.00E+00	3.64E-06	0.00E+00	0.00E+00	0.00E+00	2.42E-06	0.00E+00	0.00E+00	0.00E+00
5174	379986.59	3736010.99	2.43E-05	0.00E+00	0.00E+00	0.00E+00	3.75E-06	0.00E+00	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00
5175	380006.59	3736010.99	2.51E-05	0.00E+00	0.00E+00	0.00E+00	3.86E-06	0.00E+00	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00
5176	379726.59	3736030.99	1.78E-05	0.00E+00	0.00E+00	0.00E+00	2.75E-06	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00
5177	379746.59	3736030.99	1.83E-05	0.00E+00	0.00E+00	0.00E+00	2.82E-06	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00
5178	379766.59	3736030.99	1.87E-05	0.00E+00	0.00E+00	0.00E+00	2.88E-06	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00
5179	379786.59	3736030.99	1.91E-05	0.00E+00	0.00E+00	0.00E+00	2.94E-06	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00
5180	379806.59	3736030.99	1.95E-05	0.00E+00	0.00E+00	0.00E+00	3.01E-06	0.00E+00	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00
5181	379826.59	3736030.99	2.00E-05	0.00E+00	0.00E+00	0.00E+00	3.08E-06	0.00E+00	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00
5182	379846.59	3736030.99	2.05E-05	0.00E+00	0.00E+00	0.00E+00	3.16E-06	0.00E+00	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00
5183	379866.59	3736030.99	2.10E-05	0.00E+00	0.00E+00	0.00E+00	3.24E-06	0.00E+00	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00
5184	379886.59	3736030.99	2.16E-05	0.00E+00	0.00E+00	0.00E+00	3.32E-06	0.00E+00	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00
5185	379906.59	3736030.99	2.21E-05	0.00E+00	0.00E+00	0.00E+00	3.41E-06	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00
5186	379926.59	3736030.99	2.27E-05	0.00E+00	0.00E+00	0.00E+00	3.50E-06	0.00E+00	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00
5187	379946.59	3736030.99	2.34E-05	0.00E+00	0.00E+00	0.00E+00	3.60E-06	0.00E+00	0.00E+00	0.00E+00	2.39E-06	0.00E+00	0.00E+00	0.00E+00
5188	379966.59	3736030.99	2.41E-05	0.00E+00	0.00E+00	0.00E+00	3.72E-06	0.00E+00	0.00E+00	0.00E+00	2.47E-06	0.00E+00	0.00E+00	0.00E+00
5189	379986.59	3736030.99	2.49E-05	0.00E+00	0.00E+00	0.00E+00	3.83E-06	0.00E+00	0.00E+00	0.00E+00	2.55E-06	0.00E+00	0.00E+00	0.00E+00
5190	380006.59	3736030.99	2.56E-05	0.00E+00	0.00E+00	0.00E+00	3.95E-06	0.00E+00	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00
5191	379726.59	3736050.99	1.81E-05	0.00E+00	0.00E+00	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00
5192	379746.59	3736050.99	1.86E-05	0.00E+00	0.00E+00	0.00E+00	2.86E-06	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00
5193	379766.59	3736050.99	1.90E-05	0.00E+00	0.00E+00	0.00E+00	2.93E-06	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00
5194	379786.59	3736050.99	1.94E-05	0.00E+00	0.00E+00	0.00E+00	2.99E-06	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00
5195	379806.59	3736050.99	1.98E-05	0.00E+00	0.00E+00	0.00E+00	3.06E-06	0.00E+00	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00
5196	379826.59	3736050.99	2.03E-05	0.00E+00	0.00E+00	0.00E+00	3.13E-06	0.00E+00	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00
5197	379846.59	3736050.99	2.09E-05	0.00E+00	0.00E+00	0.00E+00	3.21E-06	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00
5198	379866.59	3736050.99	2.14E-05	0.00E+00	0.00E+00	0.00E+00	3.29E-06	0.00E+00	0.00E+00	0.00E+00	2.19E-06	0.00E+00	0.00E+00	0.00E+00
5199	379886.59	3736050.99	2.20E-05	0.00E+00	0.00E+00	0.00E+00	3.38E-06	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00
5200	379906.59	3736050.99	2.25E-05	0.00E+00	0.00E+00	0.00E+00	3.47E-06	0.00E+00	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00
5201	379926.59	3736050.99	2.32E-05	0.00E+00	0.00E+00	0.00E+00	3.57E-06	0.00E+00	0.00E+00	0.00E+00	2.37E-06	0.00E+00	0.00E+00	0.00E+00
5202	379946.59	3736050.99	2.38E-05	0.00E+00	0.00E+00	0.00E+00	3.67E-06	0.00E+00	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00
5203	379966.59	3736050.99	2.46E-05	0.00E+00	0.00E+00	0.00E+00	3.79E-06	0.00E+00	0.00E+00	0.00E+00	2.52E-06	0.00E+00	0.00E+00	0.00E+00
5204	379986.59	3736050.99	2.54E-05	0.00E+00	0.00E+00	0.00E+00	3.91E-06	0.00E+00	0.00E+00	0.00E+00	2.60E-06	0.00E+00	0.00E+00	0.00E+00
5205	380006.59	3736050.99	2.62E-05	0.00E+00	0.00E+00	0.00E+00	4.03E-06	0.00E+00	0.00E+00	0.00E+00	2.68E-06	0.00E+00	0.00E+00	0.00E+00
5206	380026.59	3736050.99	2.70E-05	0.00E+00	0.00E+00	0.00E+00	4.16E-06	0.00E+00	0.00E+00	0.00E+00	2.76E-06	0.00E+00	0.00E+00	0.00E+00
5207	380046.59	3736050.99	2.79E-05	0.00E+00	0.00E+00	0.00E+00	4.30E-06	0.00E+00	0.00E+00	0.00E+00	2.86E-06	0.00E+00	0.00E+00	0.00E+00
5208	379726.59	3736070.99	1.83E-05	0.00E+00	0.00E+00	0.00E+00	2.81E-06	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00
5209	379746.59	3736070.99	1.88E-05	0.00E+00	0.00E+00	0.00E+00	2.89E-06	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00
5210	379766.59	3736070.99	1.92E-05	0.00E+00	0.00E+00	0.00E+00	2.96E-06	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00
5211	379786.59	3736070.99	1.97E-05	0.00E+00	0.00E+00	0.00E+00	3.03E-06	0.00E+00	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00
5212	379806.59	3736070.99	2.01E-05	0.00E+00	0.00E+00	0.00E+00	3.10E-06	0.00E+00	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00
5213	379826.59	3736070.99	2.07E-05	0.00E+00	0.00E+00	0.00E+00	3.19E-06	0.00E+00	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00
5214	379846.59	3736070.99	2.12E-05	0.00E+00	0.00E+00	0.00E+00	3.27E-06	0.00E+00	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00
5215	379866.59	3736070.99	2.18E-05	0.00E+00	0.00E+00	0.00E+00	3.35E-06	0.00E+00	0.00E+00	0.00E+00	2.23E-06	0.00E+00	0.00E+00	0.00E+00
5216	379886.59	3736070.99	2.23E-05	0.00E+00	0.00E+00	0.00E+00	3.44E-06	0.00E+00	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00

5217	379906.59	3736070.99	2.29E-05	0.00E+00	0.00E+00	0.00E+00	3.53E-06	0.00E+00	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00
5218	379926.59	3736070.99	2.36E-05	0.00E+00	0.00E+00	0.00E+00	3.63E-06	0.00E+00	0.00E+00	0.00E+00	2.41E-06	0.00E+00	0.00E+00	0.00E+00
5219	379946.59	3736070.99	2.43E-05	0.00E+00	0.00E+00	0.00E+00	3.74E-06	0.00E+00	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00
5220	379966.59	3736070.99	2.51E-05	0.00E+00	0.00E+00	0.00E+00	3.87E-06	0.00E+00	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00
5221	379986.59	3736070.99	2.59E-05	0.00E+00	0.00E+00	0.00E+00	3.99E-06	0.00E+00	0.00E+00	0.00E+00	2.65E-06	0.00E+00	0.00E+00	0.00E+00
5222	380006.59	3736070.99	2.67E-05	0.00E+00	0.00E+00	0.00E+00	4.12E-06	0.00E+00	0.00E+00	0.00E+00	2.74E-06	0.00E+00	0.00E+00	0.00E+00
5223	380026.59	3736070.99	2.76E-05	0.00E+00	0.00E+00	0.00E+00	4.25E-06	0.00E+00	0.00E+00	0.00E+00	2.82E-06	0.00E+00	0.00E+00	0.00E+00
5224	380046.59	3736070.99	2.85E-05	0.00E+00	0.00E+00	0.00E+00	4.40E-06	0.00E+00	0.00E+00	0.00E+00	2.92E-06	0.00E+00	0.00E+00	0.00E+00
5225	380066.59	3736070.99	2.95E-05	0.00E+00	0.00E+00	0.00E+00	4.55E-06	0.00E+00	0.00E+00	0.00E+00	3.02E-06	0.00E+00	0.00E+00	0.00E+00
5226	380086.59	3736070.99	3.06E-05	0.00E+00	0.00E+00	0.00E+00	4.71E-06	0.00E+00	0.00E+00	0.00E+00	3.13E-06	0.00E+00	0.00E+00	0.00E+00
5227	379726.59	3736090.99	1.84E-05	0.00E+00	0.00E+00	0.00E+00	2.84E-06	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00
5228	379746.59	3736090.99	1.89E-05	0.00E+00	0.00E+00	0.00E+00	2.91E-06	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00
5229	379766.59	3736090.99	1.94E-05	0.00E+00	0.00E+00	0.00E+00	2.99E-06	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00
5230	379786.59	3736090.99	1.99E-05	0.00E+00	0.00E+00	0.00E+00	3.07E-06	0.00E+00	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00
5231	379806.59	3736090.99	2.04E-05	0.00E+00	0.00E+00	0.00E+00	3.15E-06	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00
5232	379826.59	3736090.99	2.10E-05	0.00E+00	0.00E+00	0.00E+00	3.24E-06	0.00E+00	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00
5233	379846.59	3736090.99	2.15E-05	0.00E+00	0.00E+00	0.00E+00	3.32E-06	0.00E+00	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00
5234	379866.59	3736090.99	2.21E-05	0.00E+00	0.00E+00	0.00E+00	3.40E-06	0.00E+00	0.00E+00	0.00E+00	2.26E-06	0.00E+00	0.00E+00	0.00E+00
5235	379886.59	3736090.99	2.27E-05	0.00E+00	0.00E+00	0.00E+00	3.49E-06	0.00E+00	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00
5236	379906.59	3736090.99	2.33E-05	0.00E+00	0.00E+00	0.00E+00	3.59E-06	0.00E+00	0.00E+00	0.00E+00	2.39E-06	0.00E+00	0.00E+00	0.00E+00
5237	379926.59	3736090.99	2.40E-05	0.00E+00	0.00E+00	0.00E+00	3.70E-06	0.00E+00	0.00E+00	0.00E+00	2.46E-06	0.00E+00	0.00E+00	0.00E+00
5238	379946.59	3736090.99	2.47E-05	0.00E+00	0.00E+00	0.00E+00	3.81E-06	0.00E+00	0.00E+00	0.00E+00	2.53E-06	0.00E+00	0.00E+00	0.00E+00
5239	379966.59	3736090.99	2.56E-05	0.00E+00	0.00E+00	0.00E+00	3.94E-06	0.00E+00	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00
5240	379986.59	3736090.99	2.64E-05	0.00E+00	0.00E+00	0.00E+00	4.07E-06	0.00E+00	0.00E+00	0.00E+00	2.70E-06	0.00E+00	0.00E+00	0.00E+00
5241	380006.59	3736090.99	2.73E-05	0.00E+00	0.00E+00	0.00E+00	4.20E-06	0.00E+00	0.00E+00	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00
5242	380026.59	3736090.99	2.82E-05	0.00E+00	0.00E+00	0.00E+00	4.34E-06	0.00E+00	0.00E+00	0.00E+00	2.89E-06	0.00E+00	0.00E+00	0.00E+00
5243	380046.59	3736090.99	2.92E-05	0.00E+00	0.00E+00	0.00E+00	4.49E-06	0.00E+00	0.00E+00	0.00E+00	2.99E-06	0.00E+00	0.00E+00	0.00E+00
5244	380066.59	3736090.99	3.02E-05	0.00E+00	0.00E+00	0.00E+00	4.65E-06	0.00E+00	0.00E+00	0.00E+00	3.09E-06	0.00E+00	0.00E+00	0.00E+00
5245	380086.59	3736090.99	3.13E-05	0.00E+00	0.00E+00	0.00E+00	4.83E-06	0.00E+00	0.00E+00	0.00E+00	3.21E-06	0.00E+00	0.00E+00	0.00E+00
5246	379726.59	3736110.99	1.85E-05	0.00E+00	0.00E+00	0.00E+00	2.85E-06	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00
5247	379746.59	3736110.99	1.91E-05	0.00E+00	0.00E+00	0.00E+00	2.94E-06	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00
5248	379766.59	3736110.99	1.96E-05	0.00E+00	0.00E+00	0.00E+00	3.02E-06	0.00E+00	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00
5249	379786.59	3736110.99	2.01E-05	0.00E+00	0.00E+00	0.00E+00	3.10E-06	0.00E+00	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00
5250	379806.59	3736110.99	2.07E-05	0.00E+00	0.00E+00	0.00E+00	3.19E-06	0.00E+00	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00
5251	379826.59	3736110.99	2.13E-05	0.00E+00	0.00E+00	0.00E+00	3.28E-06	0.00E+00	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00
5252	379846.59	3736110.99	2.18E-05	0.00E+00	0.00E+00	0.00E+00	3.36E-06	0.00E+00	0.00E+00	0.00E+00	2.23E-06	0.00E+00	0.00E+00	0.00E+00
5253	379866.59	3736110.99	2.24E-05	0.00E+00	0.00E+00	0.00E+00	3.45E-06	0.00E+00	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00
5254	379886.59	3736110.99	2.30E-05	0.00E+00	0.00E+00	0.00E+00	3.54E-06	0.00E+00	0.00E+00	0.00E+00	2.36E-06	0.00E+00	0.00E+00	0.00E+00
5255	379906.59	3736110.99	2.37E-05	0.00E+00	0.00E+00	0.00E+00	3.65E-06	0.00E+00	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00
5256	379926.59	3736110.99	2.44E-05	0.00E+00	0.00E+00	0.00E+00	3.76E-06	0.00E+00	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00
5257	379946.59	3736110.99	2.51E-05	0.00E+00	0.00E+00	0.00E+00	3.87E-06	0.00E+00	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00
5258	379966.59	3736110.99	2.60E-05	0.00E+00	0.00E+00	0.00E+00	4.01E-06	0.00E+00	0.00E+00	0.00E+00	2.66E-06	0.00E+00	0.00E+00	0.00E+00
5259	379986.59	3736110.99	2.69E-05	0.00E+00	0.00E+00	0.00E+00	4.14E-06	0.00E+00	0.00E+00	0.00E+00	2.75E-06	0.00E+00	0.00E+00	0.00E+00
5260	380006.59	3736110.99	2.78E-05	0.00E+00	0.00E+00	0.00E+00	4.28E-06	0.00E+00	0.00E+00	0.00E+00	2.84E-06	0.00E+00	0.00E+00	0.00E+00
5261	380026.59	3736110.99	2.87E-05	0.00E+00	0.00E+00	0.00E+00	4.43E-06	0.00E+00	0.00E+00	0.00E+00	2.94E-06	0.00E+00	0.00E+00	0.00E+00
5262	380046.59	3736110.99	2.98E-05	0.00E+00	0.00E+00	0.00E+00	4.59E-06	0.00E+00	0.00E+00	0.00E+00	3.05E-06	0.00E+00	0.00E+00	0.00E+00
5263	380066.59	3736110.99	3.09E-05	0.00E+00	0.00E+00	0.00E+00	4.76E-06	0.00E+00	0.00E+00	0.00E+00	3.16E-06	0.00E+00	0.00E+00	0.00E+00
5264	380086.59	3736110.99	3.20E-05	0.00E+00	0.00E+00	0.00E+00	4.94E-06	0.00E+00	0.00E+00	0.00E+00	3.28E-06	0.00E+00	0.00E+00	0.00E+00
5265	379726.59	3736130.99	1.86E-05	0.00E+00	0.00E+00	0.00E+00	2.87E-06	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00
5266	379746.59	3736130.99	1.91E-05	0.00E+00	0.00E+00	0.00E+00	2.95E-06	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00
5267	379766.59	3736130.99	1.97E-05	0.00E+00	0.00E+00	0.00E+00	3.04E-06	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00
5268	379786.59	3736130.99	2.03E-05	0.00E+00	0.00E+00	0.00E+00	3.13E-06	0.00E+00	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00
5269	379806.59	3736130.99	2.09E-05	0.00E+00	0.00E+00	0.00E+00	3.22E-06	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00
5270	379826.59	3736130.99	2.15E-05	0.00E+00	0.00E+00	0.00E+00	3.31E-06	0.00E+00	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00
5271	379846.59	3736130.99	2.20E-05	0.00E+00	0.00E+00	0.00E+00	3.40E-06	0.00E+00	0.00E+00	0.00E+00	2.26E-06	0.00E+00	0.00E+00	0.00E+00
5272	379866.59	3736130.99	2.26E-05	0.00E+00	0.00E+00	0.00E+00	3.49E-06	0.00E+00	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00
5273	379886.59	3736130.99	2.33E-05	0.00E+00	0.00E+00	0.00E+00	3.59E-06	0.00E+00	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00
5274	379906.59	3736130.99	2.40E-05	0.00E+00	0.00E+00	0.00E+00	3.70E-06	0.00E+00	0.00E+00	0.00E+00	2.46E-06	0.00E+00	0.00E+00	0.00E+00
5275	379926.59	3736130.99	2.48E-05	0.00E+00	0.00E+00	0.00E+00	3.82E-06	0.00E+00	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00
5276	379946.59	3736130.99	2.55E-05	0.00E+00	0.00E+00	0.00E+00	3.93E-06	0.00E+00	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00
5277	379966.59	3736130.99	2.64E-05	0.00E+00	0.00E+00	0.00E+00	4.07E-06	0.00E+00	0.00E+00	0.00E+00	2.71E-06	0.00E+00	0.00E+00	0.00E+00
5278	379986.59	3736130.99	2.73E-05	0.00E+00	0.00E+00	0.00E+00	4.21E-06	0.00E+00	0.00E+00	0.00E+00	2.80E-06	0.00E+00	0.00E+00	0.00E+00
5279	380006.59	3736130.99	2.83E-05	0.00E+00	0.00E+00	0.00E+00	4.36E-06	0.00E+00	0.00E+00	0.00E+00	2.90E-06	0.00E+00	0.00E+00	0.00E+00
5280	380026.59	3736130.99	2.93E-05	0.00E+00	0.00E+00	0.00E+00	4.51E-06	0.00E+00	0.00E+00	0.00E+00	3.00E-06	0.00E+00	0.00E+00	0.00E+00
5281	380046.59	3736130.99	3.04E-05	0.00E+00	0.00E+00	0.00E+00	4.68E-06	0.00E+00	0.00E+00	0.00E+00	3.11E-06	0.00E+00	0.00E+00	0.00E+00
5282	380066.59	3736130.99	3.15E-05	0.00E+00	0.00E+00	0.00E+00	4.86E-06	0.00E+00	0.00E+00	0.00E+00	3.23E-06	0.00E+00	0.00E+00	0.00E+00
5283	380086.59	3736130.99	3.27E-05	0.00E+00	0.00E+00	0.00E+00	5.05E-06	0.00E+00	0.00E+00	0.00E+00	3.35E-06	0.00E+00	0.00E+00	0.00E+00
5284	379726.59	3736150.99	1.88E-05	0.00E+00	0.00E+00	0.00E+00	2.89E-06	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00
5285	379746.59	3736150.99	1.93E-05	0.00E+00	0.00E+00	0.00E+00	2.97E-06	0.00E+00	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00
5286	379766.59	3736150.99	1.99E-05	0.00E+00	0.00E+00	0.00E+00	3.06E-06	0.00E+00	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00
5287	379786.59	3736150.99	2.05E-05	0.00E+00	0.00E+00	0.00E+00	3.15E-06	0.00E+00	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00
5288	379806.59	3736150.99	2.11E-05	0.00E+00	0.00E+00	0.00E+00	3.25E-06	0.00E+00	0.00E+00	0.00E+00	2.16E-06	0.00E+00	0.00E+00	0.00E+00
5289	379826.59	3736150.99	2.17E-05	0.00E+00	0.00E+00	0.00E+00	3.34E-06	0.00E+00	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00
5290	379846.59	3736150.99	2.22E-05	0.00E+00	0.00E+00	0.00E+00	3.43E-06	0.00E+00	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00
5291	379866.59	3736150.99	2.29E-05	0.00E+00	0.00E+00	0.00E+00	3.52E-06	0.00E+00	0.00E+00	0.00E+00	2.34E-06	0.00E+00	0.00E+00	0.00E+00
5292	379886.59	3736150.99	2.36E-05	0.00E+00	0.00E+00	0.00E+00	3.63E-06	0.00E+00	0.00E+00	0.00E+00	2.41E-06	0.00E+00	0.00E+00	0.00E+00
5293	379906.59	3736150.99	2.43E-05	0.00E+00	0.00E+00	0.00E+00	3.75E-06	0.00E+00	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00
5294	379926.59	3736150.99	2.51E-05	0.00E+00	0.00E+00	0.00E+00	3.87E-06	0.00E+00	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00
5295	379946.59	3736150.99	2.59E-05	0.00E+00	0.00E+00	0.00E+00	4.00E-06	0.00E+00	0.00E+00	0.00E+00	2.66E-06	0.00E+00	0.00E+00	0.00E+00
5296	379966.59	3736150.99	2.68E-05	0.00E+00	0.00E+00	0.00E+00	4.14E-06	0.00E+00	0.00E+00	0.00E+00	2.75E-06	0.00E+00	0.00E+00	0.00E+00
5297	379986.59	3736150.99	2.78E-05	0.00E+00	0.00E+00	0.00E+00	4.28E-06	0.00E+00	0.00E+00	0.00E+00	2.84E-06	0.00E+00	0.00E+00	0.00E+00
5298	380006.59	3736150.99	2.87E-05	0.00E+00	0.00E+00	0.00E+00	4.43E-06	0.00E+00	0.00E+00	0.00E+00	2.94E-06	0.00E+00	0.00E+00	0.00E+00
5299	380026.59	3736150.99	2.98E-05	0.00E+00	0.00E+00	0.00E+00	4.59E-06	0.00E+00	0.00E+00	0.00E+00	3.05E-06	0.00E+00	0.00E+00	0.00E+00
5300	380046.59	3736150.99	3.09E-05	0.00E+00	0.00E+00	0.00E+00	4.77E-06	0.00E+00	0.00E+00	0.00E+00	3.17E-06	0.00E+00	0.00E+00	0.00E+00
5301	380066.59	3736150.99	3.21E-05	0.00E+00	0.00E+00	0.00E+00	4.95E-06	0.00E+00	0.00E+00	0.00E+00	3.29E-06	0.00E+00	0.00E+00	0.00E+00
5302	380086.59	3736150.99	3.34E-05	0.00E+00	0.00E+00	0.00E+00	5.15E-06	0.00E+00	0.00E+00	0.00E+00	3.42E-06	0.00E+00	0.00E+00	0.00E+00
5303	379726.59	3736170.99	1.90E-05	0.00E+00	0.00E+00	0.00E+00	2.92E-06	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00
5304	379746.59	3736170.99	1.95E-05	0.00E+00	0.00E+00	0.00E+00	3.00E-06	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00
5305	379766.59	3736170.99	2.00E-05	0.00E+00	0.00E+00	0.00E+00	3.08E-06	0.00E+00	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00
5306	379786.59	3736170.99	2.06E-05	0.00E+00	0.00E+00	0.00E+00	3.18E-06	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00

5307	379806.59	3736170.99	2.12E-05	0.00E+00	0.00E+00	0.00E+00	3.27E-06	0.00E+00	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00
5308	379826.59	3736170.99	2.19E-05	0.00E+00	0.00E+00	0.00E+00	3.37E-06	0.00E+00	0.00E+00	0.00E+00	2.24E-06	0.00E+00	0.00E+00	0.00E+00
5309	379846.59	3736170.99	2.24E-05	0.00E+00	0.00E+00	0.00E+00	3.46E-06	0.00E+00	0.00E+00	0.00E+00	2.30E-06	0.00E+00	0.00E+00	0.00E+00
5310	379866.59	3736170.99	2.31E-05	0.00E+00	0.00E+00	0.00E+00	3.56E-06	0.00E+00	0.00E+00	0.00E+00	2.36E-06	0.00E+00	0.00E+00	0.00E+00
5311	379886.59	3736170.99	2.38E-05	0.00E+00	0.00E+00	0.00E+00	3.67E-06	0.00E+00	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00
5312	379906.59	3736170.99	2.47E-05	0.00E+00	0.00E+00	0.00E+00	3.80E-06	0.00E+00	0.00E+00	0.00E+00	2.52E-06	0.00E+00	0.00E+00	0.00E+00
5313	379926.59	3736170.99	2.55E-05	0.00E+00	0.00E+00	0.00E+00	3.93E-06	0.00E+00	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00
5314	379946.59	3736170.99	2.64E-05	0.00E+00	0.00E+00	0.00E+00	4.06E-06	0.00E+00	0.00E+00	0.00E+00	2.70E-06	0.00E+00	0.00E+00	0.00E+00
5315	379966.59	3736170.99	2.72E-05	0.00E+00	0.00E+00	0.00E+00	4.20E-06	0.00E+00	0.00E+00	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00
5316	379986.59	3736170.99	2.82E-05	0.00E+00	0.00E+00	0.00E+00	4.34E-06	0.00E+00	0.00E+00	0.00E+00	2.89E-06	0.00E+00	0.00E+00	0.00E+00
5317	380006.59	3736170.99	2.92E-05	0.00E+00	0.00E+00	0.00E+00	4.50E-06	0.00E+00	0.00E+00	0.00E+00	2.99E-06	0.00E+00	0.00E+00	0.00E+00
5318	380026.59	3736170.99	3.03E-05	0.00E+00	0.00E+00	0.00E+00	4.67E-06	0.00E+00	0.00E+00	0.00E+00	3.10E-06	0.00E+00	0.00E+00	0.00E+00
5319	380046.59	3736170.99	3.14E-05	0.00E+00	0.00E+00	0.00E+00	4.84E-06	0.00E+00	0.00E+00	0.00E+00	3.22E-06	0.00E+00	0.00E+00	0.00E+00
5320	380066.59	3736170.99	3.27E-05	0.00E+00	0.00E+00	0.00E+00	5.04E-06	0.00E+00	0.00E+00	0.00E+00	3.35E-06	0.00E+00	0.00E+00	0.00E+00
5321	380086.59	3736170.99	3.40E-05	0.00E+00	0.00E+00	0.00E+00	5.25E-06	0.00E+00	0.00E+00	0.00E+00	3.49E-06	0.00E+00	0.00E+00	0.00E+00
5322	379726.59	3736190.99	1.91E-05	0.00E+00	0.00E+00	0.00E+00	2.94E-06	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00
5323	379746.59	3736190.99	1.95E-05	0.00E+00	0.00E+00	0.00E+00	3.01E-06	0.00E+00	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00
5324	379766.59	3736190.99	2.01E-05	0.00E+00	0.00E+00	0.00E+00	3.10E-06	0.00E+00	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00
5325	379786.59	3736190.99	2.06E-05	0.00E+00	0.00E+00	0.00E+00	3.18E-06	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00
5326	379806.59	3736190.99	2.13E-05	0.00E+00	0.00E+00	0.00E+00	3.28E-06	0.00E+00	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00
5327	379826.59	3736190.99	2.19E-05	0.00E+00	0.00E+00	0.00E+00	3.38E-06	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00
5328	379846.59	3736190.99	2.26E-05	0.00E+00	0.00E+00	0.00E+00	3.48E-06	0.00E+00	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00
5329	379866.59	3736190.99	2.33E-05	0.00E+00	0.00E+00	0.00E+00	3.58E-06	0.00E+00	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00
5330	379886.59	3736190.99	2.40E-05	0.00E+00	0.00E+00	0.00E+00	3.70E-06	0.00E+00	0.00E+00	0.00E+00	2.46E-06	0.00E+00	0.00E+00	0.00E+00
5331	379906.59	3736190.99	2.49E-05	0.00E+00	0.00E+00	0.00E+00	3.83E-06	0.00E+00	0.00E+00	0.00E+00	2.55E-06	0.00E+00	0.00E+00	0.00E+00
5332	379926.59	3736190.99	2.58E-05	0.00E+00	0.00E+00	0.00E+00	3.97E-06	0.00E+00	0.00E+00	0.00E+00	2.64E-06	0.00E+00	0.00E+00	0.00E+00
5333	379946.59	3736190.99	2.67E-05	0.00E+00	0.00E+00	0.00E+00	4.11E-06	0.00E+00	0.00E+00	0.00E+00	2.73E-06	0.00E+00	0.00E+00	0.00E+00
5334	379966.59	3736190.99	2.76E-05	0.00E+00	0.00E+00	0.00E+00	4.25E-06	0.00E+00	0.00E+00	0.00E+00	2.82E-06	0.00E+00	0.00E+00	0.00E+00
5335	379986.59	3736190.99	2.86E-05	0.00E+00	0.00E+00	0.00E+00	4.40E-06	0.00E+00	0.00E+00	0.00E+00	2.92E-06	0.00E+00	0.00E+00	0.00E+00
5336	380006.59	3736190.99	2.96E-05	0.00E+00	0.00E+00	0.00E+00	4.56E-06	0.00E+00	0.00E+00	0.00E+00	3.03E-06	0.00E+00	0.00E+00	0.00E+00
5337	380026.59	3736190.99	3.07E-05	0.00E+00	0.00E+00	0.00E+00	4.73E-06	0.00E+00	0.00E+00	0.00E+00	3.15E-06	0.00E+00	0.00E+00	0.00E+00
5338	380046.59	3736190.99	3.19E-05	0.00E+00	0.00E+00	0.00E+00	4.92E-06	0.00E+00	0.00E+00	0.00E+00	3.27E-06	0.00E+00	0.00E+00	0.00E+00
5339	380066.59	3736190.99	3.32E-05	0.00E+00	0.00E+00	0.00E+00	5.12E-06	0.00E+00	0.00E+00	0.00E+00	3.40E-06	0.00E+00	0.00E+00	0.00E+00
5340	380086.59	3736190.99	3.46E-05	0.00E+00	0.00E+00	0.00E+00	5.33E-06	0.00E+00	0.00E+00	0.00E+00	3.54E-06	0.00E+00	0.00E+00	0.00E+00
5341	379726.59	3736210.99	1.91E-05	0.00E+00	0.00E+00	0.00E+00	2.95E-06	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00
5342	379746.59	3736210.99	1.96E-05	0.00E+00	0.00E+00	0.00E+00	3.02E-06	0.00E+00	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00
5343	379766.59	3736210.99	2.01E-05	0.00E+00	0.00E+00	0.00E+00	3.10E-06	0.00E+00	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00
5344	379786.59	3736210.99	2.07E-05	0.00E+00	0.00E+00	0.00E+00	3.19E-06	0.00E+00	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00
5345	379806.59	3736210.99	2.13E-05	0.00E+00	0.00E+00	0.00E+00	3.28E-06	0.00E+00	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00
5346	379826.59	3736210.99	2.20E-05	0.00E+00	0.00E+00	0.00E+00	3.39E-06	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00
5347	379846.59	3736210.99	2.27E-05	0.00E+00	0.00E+00	0.00E+00	3.49E-06	0.00E+00	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00
5348	379866.59	3736210.99	2.34E-05	0.00E+00	0.00E+00	0.00E+00	3.60E-06	0.00E+00	0.00E+00	0.00E+00	2.39E-06	0.00E+00	0.00E+00	0.00E+00
5349	379886.59	3736210.99	2.42E-05	0.00E+00	0.00E+00	0.00E+00	3.72E-06	0.00E+00	0.00E+00	0.00E+00	2.48E-06	0.00E+00	0.00E+00	0.00E+00
5350	379906.59	3736210.99	2.50E-05	0.00E+00	0.00E+00	0.00E+00	3.86E-06	0.00E+00	0.00E+00	0.00E+00	2.56E-06	0.00E+00	0.00E+00	0.00E+00
5351	379926.59	3736210.99	2.60E-05	0.00E+00	0.00E+00	0.00E+00	4.00E-06	0.00E+00	0.00E+00	0.00E+00	2.66E-06	0.00E+00	0.00E+00	0.00E+00
5352	379946.59	3736210.99	2.70E-05	0.00E+00	0.00E+00	0.00E+00	4.15E-06	0.00E+00	0.00E+00	0.00E+00	2.76E-06	0.00E+00	0.00E+00	0.00E+00
5353	379966.59	3736210.99	2.79E-05	0.00E+00	0.00E+00	0.00E+00	4.30E-06	0.00E+00	0.00E+00	0.00E+00	2.86E-06	0.00E+00	0.00E+00	0.00E+00
5354	379986.59	3736210.99	2.89E-05	0.00E+00	0.00E+00	0.00E+00	4.45E-06	0.00E+00	0.00E+00	0.00E+00	2.96E-06	0.00E+00	0.00E+00	0.00E+00
5355	380006.59	3736210.99	3.00E-05	0.00E+00	0.00E+00	0.00E+00	4.62E-06	0.00E+00	0.00E+00	0.00E+00	3.07E-06	0.00E+00	0.00E+00	0.00E+00
5356	380026.59	3736210.99	3.11E-05	0.00E+00	0.00E+00	0.00E+00	4.80E-06	0.00E+00	0.00E+00	0.00E+00	3.19E-06	0.00E+00	0.00E+00	0.00E+00
5357	380046.59	3736210.99	3.23E-05	0.00E+00	0.00E+00	0.00E+00	4.98E-06	0.00E+00	0.00E+00	0.00E+00	3.31E-06	0.00E+00	0.00E+00	0.00E+00
5358	380066.59	3736210.99	3.37E-05	0.00E+00	0.00E+00	0.00E+00	5.19E-06	0.00E+00	0.00E+00	0.00E+00	3.45E-06	0.00E+00	0.00E+00	0.00E+00
5359	380086.59	3736210.99	3.51E-05	0.00E+00	0.00E+00	0.00E+00	5.41E-06	0.00E+00	0.00E+00	0.00E+00	3.59E-06	0.00E+00	0.00E+00	0.00E+00
5360	379726.59	3736230.99	1.92E-05	0.00E+00	0.00E+00	0.00E+00	2.96E-06	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00
5361	379746.59	3736230.99	1.97E-05	0.00E+00	0.00E+00	0.00E+00	3.03E-06	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00
5362	379766.59	3736230.99	2.02E-05	0.00E+00	0.00E+00	0.00E+00	3.11E-06	0.00E+00	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00
5363	379786.59	3736230.99	2.07E-05	0.00E+00	0.00E+00	0.00E+00	3.19E-06	0.00E+00	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00
5364	379806.59	3736230.99	2.13E-05	0.00E+00	0.00E+00	0.00E+00	3.29E-06	0.00E+00	0.00E+00	0.00E+00	2.19E-06	0.00E+00	0.00E+00	0.00E+00
5365	379826.59	3736230.99	2.21E-05	0.00E+00	0.00E+00	0.00E+00	3.40E-06	0.00E+00	0.00E+00	0.00E+00	2.26E-06	0.00E+00	0.00E+00	0.00E+00
5366	379846.59	3736230.99	2.28E-05	0.00E+00	0.00E+00	0.00E+00	3.51E-06	0.00E+00	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00
5367	379866.59	3736230.99	2.35E-05	0.00E+00	0.00E+00	0.00E+00	3.62E-06	0.00E+00	0.00E+00	0.00E+00	2.40E-06	0.00E+00	0.00E+00	0.00E+00
5368	379886.59	3736230.99	2.42E-05	0.00E+00	0.00E+00	0.00E+00	3.74E-06	0.00E+00	0.00E+00	0.00E+00	2.48E-06	0.00E+00	0.00E+00	0.00E+00
5369	379906.59	3736230.99	2.52E-05	0.00E+00	0.00E+00	0.00E+00	3.88E-06	0.00E+00	0.00E+00	0.00E+00	2.58E-06	0.00E+00	0.00E+00	0.00E+00
5370	379926.59	3736230.99	2.62E-05	0.00E+00	0.00E+00	0.00E+00	4.03E-06	0.00E+00	0.00E+00	0.00E+00	2.68E-06	0.00E+00	0.00E+00	0.00E+00
5371	379946.59	3736230.99	2.72E-05	0.00E+00	0.00E+00	0.00E+00	4.19E-06	0.00E+00	0.00E+00	0.00E+00	2.78E-06	0.00E+00	0.00E+00	0.00E+00
5372	379966.59	3736230.99	2.82E-05	0.00E+00	0.00E+00	0.00E+00	4.34E-06	0.00E+00	0.00E+00	0.00E+00	2.88E-06	0.00E+00	0.00E+00	0.00E+00
5373	379986.59	3736230.99	2.92E-05	0.00E+00	0.00E+00	0.00E+00	4.50E-06	0.00E+00	0.00E+00	0.00E+00	2.99E-06	0.00E+00	0.00E+00	0.00E+00
5374	380006.59	3736230.99	3.03E-05	0.00E+00	0.00E+00	0.00E+00	4.66E-06	0.00E+00	0.00E+00	0.00E+00	3.10E-06	0.00E+00	0.00E+00	0.00E+00
5375	380026.59	3736230.99	3.15E-05	0.00E+00	0.00E+00	0.00E+00	4.85E-06	0.00E+00	0.00E+00	0.00E+00	3.22E-06	0.00E+00	0.00E+00	0.00E+00
5376	380046.59	3736230.99	3.27E-05	0.00E+00	0.00E+00	0.00E+00	5.04E-06	0.00E+00	0.00E+00	0.00E+00	3.35E-06	0.00E+00	0.00E+00	0.00E+00
5377	380066.59	3736230.99	3.41E-05	0.00E+00	0.00E+00	0.00E+00	5.25E-06	0.00E+00	0.00E+00	0.00E+00	3.49E-06	0.00E+00	0.00E+00	0.00E+00
5378	380086.59	3736230.99	3.55E-05	0.00E+00	0.00E+00	0.00E+00	5.48E-06	0.00E+00	0.00E+00	0.00E+00	3.64E-06	0.00E+00	0.00E+00	0.00E+00
5379	379726.59	3736250.99	1.92E-05	0.00E+00	0.00E+00	0.00E+00	2.95E-06	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00
5380	379746.59	3736250.99	1.97E-05	0.00E+00	0.00E+00	0.00E+00	3.03E-06	0.00E+00	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00
5381	379766.59	3736250.99	2.02E-05	0.00E+00	0.00E+00	0.00E+00	3.11E-06	0.00E+00	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00
5382	379786.59	3736250.99	2.08E-05	0.00E+00	0.00E+00	0.00E+00	3.20E-06	0.00E+00	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00
5383	379806.59	3736250.99	2.14E-05	0.00E+00	0.00E+00	0.00E+00	3.30E-06	0.00E+00	0.00E+00	0.00E+00	2.19E-06	0.00E+00	0.00E+00	0.00E+00
5384	379826.59	3736250.99	2.21E-05	0.00E+00	0.00E+00	0.00E+00	3.41E-06	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00
5385	379846.59	3736250.99	2.28E-05	0.00E+00	0.00E+00	0.00E+00	3.52E-06	0.00E+00	0.00E+00	0.00E+00	2.34E-06	0.00E+00	0.00E+00	0.00E+00
5386	379866.59	3736250.99	2.36E-05	0.00E+00	0.00E+00	0.00E+00	3.63E-06	0.00E+00	0.00E+00	0.00E+00	2.41E-06	0.00E+00	0.00E+00	0.00E+00
5387	379886.59	3736250.99	2.43E-05	0.00E+00	0.00E+00	0.00E+00	3.75E-06	0.00E+00	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00
5388	379906.59	3736250.99	2.52E-05	0.00E+00	0.00E+00	0.00E+00	3.89E-06	0.00E+00	0.00E+00	0.00E+00	2.59E-06	0.00E+00	0.00E+00	0.00E+00
5389	379926.59	3736250.99	2.63E-05	0.00E+00	0.00E+00	0.00E+00	4.05E-06	0.00E+00	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00
5390	379946.59	3736250.99	2.74E-05	0.00E+00	0.00E+00	0.00E+00	4.22E-06	0.00E+00	0.00E+00	0.00E+00	2.81E-06	0.00E+00	0.00E+00	0.00E+00
5391	379966.59	3736250.99	2.84E-05	0.00E+00	0.00E+00	0.00E+00	4.37E-06	0.00E+00	0.00E+00	0.00E+00	2.91E-06	0.00E+00	0.00E+00	0.00E+00
5392	379986.59	3736250.99	2.94E-05	0.00E+00	0.00E+00	0.00E+00	4.53E-06	0.00E+00	0.00E+00	0.00E+00	3.01E-06	0.00E+00	0.00E+00	0.00E+00
5393	380006.59	3736250.99	3.05E-05	0.00E+00	0.00E+00	0.00E+00	4.70E-06	0.00E+00	0.00E+00	0.00E+00	3.13E-06	0.00E+00	0.00E+00	0.00E+00
5394	380026.59	3736250.99	3.17E-05	0.00E+00	0.00E+00	0.00E+00	4.89E-06	0.00E+00	0.00E+00	0.00E+00	3.25E-06	0.00E+00	0.00E+00	0.00E+00
5395	380046.59	3736250.99	3.30E-05	0.00E+00	0.00E+00	0.00E+00	5.09E-06	0.00E+00	0.00E+00	0.00E+00	3.38E-06	0.00E+00	0.00E+00	0.00E+00
5396	380066.59	3736250.99	3.44E-05	0.00E+00	0.00E+00	0.00E+00	5.30E-06	0.00E+00	0.00E+00	0.00E+00	3.52E-06	0.00E+00	0.00E+00	0.00E+00

5397	380086.59	3736250.99	3.59E-05	0.00E+00	0.00E+00	0.00E+00	5.54E-06	0.00E+00	0.00E+00	0.00E+00	3.68E-06	0.00E+00	0.00E+00	0.00E+00
5398	379726.59	3736270.99	1.91E-05	0.00E+00	0.00E+00	0.00E+00	2.94E-06	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00
5399	379746.59	3736270.99	1.96E-05	0.00E+00	0.00E+00	0.00E+00	3.03E-06	0.00E+00	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00
5400	379766.59	3736270.99	2.02E-05	0.00E+00	0.00E+00	0.00E+00	3.11E-06	0.00E+00	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00
5401	379786.59	3736270.99	2.08E-05	0.00E+00	0.00E+00	0.00E+00	3.21E-06	0.00E+00	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00
5402	379806.59	3736270.99	2.15E-05	0.00E+00	0.00E+00	0.00E+00	3.31E-06	0.00E+00	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00
5403	379826.59	3736270.99	2.22E-05	0.00E+00	0.00E+00	0.00E+00	3.42E-06	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00
5404	379846.59	3736270.99	2.29E-05	0.00E+00	0.00E+00	0.00E+00	3.53E-06	0.00E+00	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00
5405	379866.59	3736270.99	2.37E-05	0.00E+00	0.00E+00	0.00E+00	3.65E-06	0.00E+00	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00
5406	379886.59	3736270.99	2.44E-05	0.00E+00	0.00E+00	0.00E+00	3.76E-06	0.00E+00	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00
5407	379906.59	3736270.99	2.54E-05	0.00E+00	0.00E+00	0.00E+00	3.91E-06	0.00E+00	0.00E+00	0.00E+00	2.60E-06	0.00E+00	0.00E+00	0.00E+00
5408	379926.59	3736270.99	2.64E-05	0.00E+00	0.00E+00	0.00E+00	4.07E-06	0.00E+00	0.00E+00	0.00E+00	2.71E-06	0.00E+00	0.00E+00	0.00E+00
5409	379946.59	3736270.99	2.75E-05	0.00E+00	0.00E+00	0.00E+00	4.25E-06	0.00E+00	0.00E+00	0.00E+00	2.82E-06	0.00E+00	0.00E+00	0.00E+00
5410	379966.59	3736270.99	2.85E-05	0.00E+00	0.00E+00	0.00E+00	4.40E-06	0.00E+00	0.00E+00	0.00E+00	2.92E-06	0.00E+00	0.00E+00	0.00E+00
5411	379986.59	3736270.99	2.96E-05	0.00E+00	0.00E+00	0.00E+00	4.56E-06	0.00E+00	0.00E+00	0.00E+00	3.03E-06	0.00E+00	0.00E+00	0.00E+00
5412	380006.59	3736270.99	3.07E-05	0.00E+00	0.00E+00	0.00E+00	4.74E-06	0.00E+00	0.00E+00	0.00E+00	3.15E-06	0.00E+00	0.00E+00	0.00E+00
5413	380026.59	3736270.99	3.20E-05	0.00E+00	0.00E+00	0.00E+00	4.93E-06	0.00E+00	0.00E+00	0.00E+00	3.27E-06	0.00E+00	0.00E+00	0.00E+00
5414	380046.59	3736270.99	3.32E-05	0.00E+00	0.00E+00	0.00E+00	5.11E-06	0.00E+00	0.00E+00	0.00E+00	3.40E-06	0.00E+00	0.00E+00	0.00E+00
5415	380066.59	3736270.99	3.44E-05	0.00E+00	0.00E+00	0.00E+00	5.31E-06	0.00E+00	0.00E+00	0.00E+00	3.53E-06	0.00E+00	0.00E+00	0.00E+00
5416	379726.59	3736290.99	1.91E-05	0.00E+00	0.00E+00	0.00E+00	2.94E-06	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00
5417	379746.59	3736290.99	1.96E-05	0.00E+00	0.00E+00	0.00E+00	3.02E-06	0.00E+00	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00
5418	379766.59	3736290.99	2.02E-05	0.00E+00	0.00E+00	0.00E+00	3.11E-06	0.00E+00	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00
5419	379786.59	3736290.99	2.08E-05	0.00E+00	0.00E+00	0.00E+00	3.21E-06	0.00E+00	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00
5420	379806.59	3736290.99	2.15E-05	0.00E+00	0.00E+00	0.00E+00	3.31E-06	0.00E+00	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00
5421	379826.59	3736290.99	2.22E-05	0.00E+00	0.00E+00	0.00E+00	3.42E-06	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00
5422	379846.59	3736290.99	2.30E-05	0.00E+00	0.00E+00	0.00E+00	3.54E-06	0.00E+00	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00
5423	379866.59	3736290.99	2.38E-05	0.00E+00	0.00E+00	0.00E+00	3.67E-06	0.00E+00	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00
5424	379886.59	3736290.99	2.46E-05	0.00E+00	0.00E+00	0.00E+00	3.79E-06	0.00E+00	0.00E+00	0.00E+00	2.52E-06	0.00E+00	0.00E+00	0.00E+00
5425	379906.59	3736290.99	2.55E-05	0.00E+00	0.00E+00	0.00E+00	3.93E-06	0.00E+00	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00
5426	379926.59	3736290.99	2.66E-05	0.00E+00	0.00E+00	0.00E+00	4.09E-06	0.00E+00	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00
5427	379946.59	3736290.99	2.76E-05	0.00E+00	0.00E+00	0.00E+00	4.26E-06	0.00E+00	0.00E+00	0.00E+00	2.83E-06	0.00E+00	0.00E+00	0.00E+00
5428	379966.59	3736290.99	2.86E-05	0.00E+00	0.00E+00	0.00E+00	4.41E-06	0.00E+00	0.00E+00	0.00E+00	2.93E-06	0.00E+00	0.00E+00	0.00E+00
5429	379986.59	3736290.99	2.97E-05	0.00E+00	0.00E+00	0.00E+00	4.58E-06	0.00E+00	0.00E+00	0.00E+00	3.04E-06	0.00E+00	0.00E+00	0.00E+00
5430	380006.59	3736290.99	3.09E-05	0.00E+00	0.00E+00	0.00E+00	4.76E-06	0.00E+00	0.00E+00	0.00E+00	3.16E-06	0.00E+00	0.00E+00	0.00E+00
5431	380026.59	3736290.99	3.21E-05	0.00E+00	0.00E+00	0.00E+00	4.95E-06	0.00E+00	0.00E+00	0.00E+00	3.29E-06	0.00E+00	0.00E+00	0.00E+00
5432	380046.59	3736290.99	3.32E-05	0.00E+00	0.00E+00	0.00E+00	5.12E-06	0.00E+00	0.00E+00	0.00E+00	3.40E-06	0.00E+00	0.00E+00	0.00E+00
5433	380066.59	3736290.99	3.45E-05	0.00E+00	0.00E+00	0.00E+00	5.31E-06	0.00E+00	0.00E+00	0.00E+00	3.53E-06	0.00E+00	0.00E+00	0.00E+00
5434	379726.59	3736310.99	1.90E-05	0.00E+00	0.00E+00	0.00E+00	2.93E-06	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00
5435	379746.59	3736310.99	1.96E-05	0.00E+00	0.00E+00	0.00E+00	3.01E-06	0.00E+00	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00
5436	379766.59	3736310.99	2.02E-05	0.00E+00	0.00E+00	0.00E+00	3.11E-06	0.00E+00	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00
5437	379786.59	3736310.99	2.08E-05	0.00E+00	0.00E+00	0.00E+00	3.21E-06	0.00E+00	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00
5438	379806.59	3736310.99	2.15E-05	0.00E+00	0.00E+00	0.00E+00	3.31E-06	0.00E+00	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00
5439	379826.59	3736310.99	2.22E-05	0.00E+00	0.00E+00	0.00E+00	3.42E-06	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00
5440	379846.59	3736310.99	2.30E-05	0.00E+00	0.00E+00	0.00E+00	3.54E-06	0.00E+00	0.00E+00	0.00E+00	2.36E-06	0.00E+00	0.00E+00	0.00E+00
5441	379866.59	3736310.99	2.38E-05	0.00E+00	0.00E+00	0.00E+00	3.67E-06	0.00E+00	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00
5442	379886.59	3736310.99	2.46E-05	0.00E+00	0.00E+00	0.00E+00	3.80E-06	0.00E+00	0.00E+00	0.00E+00	2.52E-06	0.00E+00	0.00E+00	0.00E+00
5443	379906.59	3736310.99	2.55E-05	0.00E+00	0.00E+00	0.00E+00	3.93E-06	0.00E+00	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00
5444	379926.59	3736310.99	2.65E-05	0.00E+00	0.00E+00	0.00E+00	4.08E-06	0.00E+00	0.00E+00	0.00E+00	2.71E-06	0.00E+00	0.00E+00	0.00E+00
5445	379946.59	3736310.99	2.75E-05	0.00E+00	0.00E+00	0.00E+00	4.25E-06	0.00E+00	0.00E+00	0.00E+00	2.82E-06	0.00E+00	0.00E+00	0.00E+00
5446	379966.59	3736310.99	2.86E-05	0.00E+00	0.00E+00	0.00E+00	4.41E-06	0.00E+00	0.00E+00	0.00E+00	2.93E-06	0.00E+00	0.00E+00	0.00E+00
5447	379986.59	3736310.99	2.98E-05	0.00E+00	0.00E+00	0.00E+00	4.59E-06	0.00E+00	0.00E+00	0.00E+00	3.05E-06	0.00E+00	0.00E+00	0.00E+00
5448	380006.59	3736310.99	3.09E-05	0.00E+00	0.00E+00	0.00E+00	4.76E-06	0.00E+00	0.00E+00	0.00E+00	3.17E-06	0.00E+00	0.00E+00	0.00E+00
5449	380026.59	3736310.99	3.21E-05	0.00E+00	0.00E+00	0.00E+00	4.94E-06	0.00E+00	0.00E+00	0.00E+00	3.28E-06	0.00E+00	0.00E+00	0.00E+00
5450	380046.59	3736310.99	3.33E-05	0.00E+00	0.00E+00	0.00E+00	5.13E-06	0.00E+00	0.00E+00	0.00E+00	3.41E-06	0.00E+00	0.00E+00	0.00E+00
5451	380066.59	3736310.99	3.46E-05	0.00E+00	0.00E+00	0.00E+00	5.33E-06	0.00E+00	0.00E+00	0.00E+00	3.54E-06	0.00E+00	0.00E+00	0.00E+00
5452	379726.59	3736330.99	1.90E-05	0.00E+00	0.00E+00	0.00E+00	2.92E-06	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00
5453	379746.59	3736330.99	1.95E-05	0.00E+00	0.00E+00	0.00E+00	3.01E-06	0.00E+00	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00
5454	379766.59	3736330.99	2.02E-05	0.00E+00	0.00E+00	0.00E+00	3.11E-06	0.00E+00	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00
5455	379786.59	3736330.99	2.08E-05	0.00E+00	0.00E+00	0.00E+00	3.21E-06	0.00E+00	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00
5456	379806.59	3736330.99	2.15E-05	0.00E+00	0.00E+00	0.00E+00	3.32E-06	0.00E+00	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00
5457	379826.59	3736330.99	2.22E-05	0.00E+00	0.00E+00	0.00E+00	3.42E-06	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00
5458	379846.59	3736330.99	2.30E-05	0.00E+00	0.00E+00	0.00E+00	3.54E-06	0.00E+00	0.00E+00	0.00E+00	2.36E-06	0.00E+00	0.00E+00	0.00E+00
5459	379866.59	3736330.99	2.38E-05	0.00E+00	0.00E+00	0.00E+00	3.67E-06	0.00E+00	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00
5460	379886.59	3736330.99	2.46E-05	0.00E+00	0.00E+00	0.00E+00	3.79E-06	0.00E+00	0.00E+00	0.00E+00	2.52E-06	0.00E+00	0.00E+00	0.00E+00
5461	379906.59	3736330.99	2.55E-05	0.00E+00	0.00E+00	0.00E+00	3.93E-06	0.00E+00	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00
5462	379926.59	3736330.99	2.64E-05	0.00E+00	0.00E+00	0.00E+00	4.07E-06	0.00E+00	0.00E+00	0.00E+00	2.71E-06	0.00E+00	0.00E+00	0.00E+00
5463	379946.59	3736330.99	2.74E-05	0.00E+00	0.00E+00	0.00E+00	4.23E-06	0.00E+00	0.00E+00	0.00E+00	2.81E-06	0.00E+00	0.00E+00	0.00E+00
5464	379966.59	3736330.99	2.85E-05	0.00E+00	0.00E+00	0.00E+00	4.40E-06	0.00E+00	0.00E+00	0.00E+00	2.92E-06	0.00E+00	0.00E+00	0.00E+00
5465	379986.59	3736330.99	2.96E-05	0.00E+00	0.00E+00	0.00E+00	4.57E-06	0.00E+00	0.00E+00	0.00E+00	3.03E-06	0.00E+00	0.00E+00	0.00E+00
5466	380006.59	3736330.99	3.08E-05	0.00E+00	0.00E+00	0.00E+00	4.74E-06	0.00E+00	0.00E+00	0.00E+00	3.15E-06	0.00E+00	0.00E+00	0.00E+00
5467	380026.59	3736330.99	3.19E-05	0.00E+00	0.00E+00	0.00E+00	4.92E-06	0.00E+00	0.00E+00	0.00E+00	3.27E-06	0.00E+00	0.00E+00	0.00E+00
5468	380046.59	3736330.99	3.32E-05	0.00E+00	0.00E+00	0.00E+00	5.12E-06	0.00E+00	0.00E+00	0.00E+00	3.40E-06	0.00E+00	0.00E+00	0.00E+00
5469	380066.59	3736330.99	3.47E-05	0.00E+00	0.00E+00	0.00E+00	5.34E-06	0.00E+00	0.00E+00	0.00E+00	3.55E-06	0.00E+00	0.00E+00	0.00E+00
5470	379726.59	3736350.99	1.89E-05	0.00E+00	0.00E+00	0.00E+00	2.92E-06	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00
5471	379746.59	3736350.99	1.95E-05	0.00E+00	0.00E+00	0.00E+00	3.00E-06	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00
5472	379766.59	3736350.99	2.01E-05	0.00E+00	0.00E+00	0.00E+00	3.10E-06	0.00E+00	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00
5473	379786.59	3736350.99	2.08E-05	0.00E+00	0.00E+00	0.00E+00	3.21E-06	0.00E+00	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00
5474	379806.59	3736350.99	2.15E-05	0.00E+00	0.00E+00	0.00E+00	3.32E-06	0.00E+00	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00
5475	379826.59	3736350.99	2.22E-05	0.00E+00	0.00E+00	0.00E+00	3.43E-06	0.00E+00	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00
5476	379846.59	3736350.99	2.30E-05	0.00E+00	0.00E+00	0.00E+00	3.54E-06	0.00E+00	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00
5477	379866.59	3736350.99	2.37E-05	0.00E+00	0.00E+00	0.00E+00	3.66E-06	0.00E+00	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00
5478	379886.59	3736350.99	2.45E-05	0.00E+00	0.00E+00	0.00E+00	3.78E-06	0.00E+00	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00
5479	379906.59	3736350.99	2.54E-05	0.00E+00	0.00E+00	0.00E+00	3.92E-06	0.00E+00	0.00E+00	0.00E+00	2.60E-06	0.00E+00	0.00E+00	0.00E+00
5480	379926.59	3736350.99	2.63E-05	0.00E+00	0.00E+00	0.00E+00	4.06E-06	0.00E+00	0.00E+00	0.00E+00	2.70E-06	0.00E+00	0.00E+00	0.00E+00
5481	379946.59	3736350.99	2.73E-05	0.00E+00	0.00E+00	0.00E+00	4.21E-06	0.00E+00	0.00E+00	0.00E+00	2.80E-06	0.00E+00	0.00E+00	0.00E+00
5482	379966.59	3736350.99	2.84E-05	0.00E+00	0.00E+00	0.00E+00	4.37E-06	0.00E+00	0.00E+00	0.00E+00	2.91E-06	0.00E+00	0.00E+00	0.00E+00
5483	379986.59	3736350.99	2.95E-05	0.00E+00	0.00E+00	0.00E+00	4.54E-06	0.00E+00	0.00E+00	0.00E+00	3.02E-06	0.00E+00	0.00E+00	0.00E+00
5484	380006.59	3736350.99	3.05E-05	0.00E+00	0.00E+00	0.00E+00	4.70E-06	0.00E+00	0.00E+00	0.00E+00	3.13E-06	0.00E+00	0.00E+00	0.00E+00
5485	380026.59	3736350.99	3.17E-05	0.00E+00	0.00E+00	0.00E+00	4.88E-06	0.00E+00	0.00E+00	0.00E+00	3.24E-06	0.00E+00	0.00E+00	0.00E+00
5486	380046.59	3736350.99	3.30E-05	0.00E+00	0.00E+00	0.00E+00	5.09E-06	0.00E+00	0.00E+00	0.00E+00	3.38E-06	0.00E+00	0.00E+00	0.00E+00

5487	380066.59	3736350.99	3.47E-05	0.00E+00	0.00E+00	0.00E+00	5.35E-06	0.00E+00	0.00E+00	0.00E+00	3.55E-06	0.00E+00	0.00E+00	0.00E+00
5488	379726.59	3736370.99	1.89E-05	0.00E+00	0.00E+00	0.00E+00	2.91E-06	0.00E+00	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00
5489	379746.59	3736370.99	1.94E-05	0.00E+00	0.00E+00	0.00E+00	2.99E-06	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00
5490	379766.59	3736370.99	2.00E-05	0.00E+00	0.00E+00	0.00E+00	3.09E-06	0.00E+00	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00
5491	379786.59	3736370.99	2.07E-05	0.00E+00	0.00E+00	0.00E+00	3.20E-06	0.00E+00	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00
5492	379806.59	3736370.99	2.15E-05	0.00E+00	0.00E+00	0.00E+00	3.31E-06	0.00E+00	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00
5493	379826.59	3736370.99	2.22E-05	0.00E+00	0.00E+00	0.00E+00	3.42E-06	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00
5494	379846.59	3736370.99	2.29E-05	0.00E+00	0.00E+00	0.00E+00	3.53E-06	0.00E+00	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00
5495	379866.59	3736370.99	2.37E-05	0.00E+00	0.00E+00	0.00E+00	3.65E-06	0.00E+00	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00
5496	379886.59	3736370.99	2.45E-05	0.00E+00	0.00E+00	0.00E+00	3.78E-06	0.00E+00	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00
5497	379906.59	3736370.99	2.53E-05	0.00E+00	0.00E+00	0.00E+00	3.90E-06	0.00E+00	0.00E+00	0.00E+00	2.59E-06	0.00E+00	0.00E+00	0.00E+00
5498	379926.59	3736370.99	2.62E-05	0.00E+00	0.00E+00	0.00E+00	4.04E-06	0.00E+00	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00
5499	379946.59	3736370.99	2.72E-05	0.00E+00	0.00E+00	0.00E+00	4.19E-06	0.00E+00	0.00E+00	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00
5500	379966.59	3736370.99	2.82E-05	0.00E+00	0.00E+00	0.00E+00	4.35E-06	0.00E+00	0.00E+00	0.00E+00	2.89E-06	0.00E+00	0.00E+00	0.00E+00
5501	379986.59	3736370.99	2.93E-05	0.00E+00	0.00E+00	0.00E+00	4.52E-06	0.00E+00	0.00E+00	0.00E+00	3.00E-06	0.00E+00	0.00E+00	0.00E+00
5502	380006.59	3736370.99	3.04E-05	0.00E+00	0.00E+00	0.00E+00	4.68E-06	0.00E+00	0.00E+00	0.00E+00	3.11E-06	0.00E+00	0.00E+00	0.00E+00
5503	380026.59	3736370.99	3.15E-05	0.00E+00	0.00E+00	0.00E+00	4.86E-06	0.00E+00	0.00E+00	0.00E+00	3.23E-06	0.00E+00	0.00E+00	0.00E+00
5504	380046.59	3736370.99	3.28E-05	0.00E+00	0.00E+00	0.00E+00	5.06E-06	0.00E+00	0.00E+00	0.00E+00	3.36E-06	0.00E+00	0.00E+00	0.00E+00
5505	380066.59	3736370.99	3.45E-05	0.00E+00	0.00E+00	0.00E+00	5.32E-06	0.00E+00	0.00E+00	0.00E+00	3.54E-06	0.00E+00	0.00E+00	0.00E+00
5506	379726.59	3736390.99	1.88E-05	0.00E+00	0.00E+00	0.00E+00	2.90E-06	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00
5507	379746.59	3736390.99	1.93E-05	0.00E+00	0.00E+00	0.00E+00	2.97E-06	0.00E+00	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00
5508	379766.59	3736390.99	1.99E-05	0.00E+00	0.00E+00	0.00E+00	3.07E-06	0.00E+00	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00
5509	379786.59	3736390.99	2.06E-05	0.00E+00	0.00E+00	0.00E+00	3.18E-06	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00
5510	379806.59	3736390.99	2.13E-05	0.00E+00	0.00E+00	0.00E+00	3.29E-06	0.00E+00	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00
5511	379826.59	3736390.99	2.21E-05	0.00E+00	0.00E+00	0.00E+00	3.40E-06	0.00E+00	0.00E+00	0.00E+00	2.26E-06	0.00E+00	0.00E+00	0.00E+00
5512	379846.59	3736390.99	2.28E-05	0.00E+00	0.00E+00	0.00E+00	3.51E-06	0.00E+00	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00
5513	379866.59	3736390.99	2.35E-05	0.00E+00	0.00E+00	0.00E+00	3.63E-06	0.00E+00	0.00E+00	0.00E+00	2.41E-06	0.00E+00	0.00E+00	0.00E+00
5514	379886.59	3736390.99	2.43E-05	0.00E+00	0.00E+00	0.00E+00	3.75E-06	0.00E+00	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00
5515	379906.59	3736390.99	2.51E-05	0.00E+00	0.00E+00	0.00E+00	3.87E-06	0.00E+00	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00
5516	379926.59	3736390.99	2.60E-05	0.00E+00	0.00E+00	0.00E+00	4.01E-06	0.00E+00	0.00E+00	0.00E+00	2.67E-06	0.00E+00	0.00E+00	0.00E+00
5517	379946.59	3736390.99	2.70E-05	0.00E+00	0.00E+00	0.00E+00	4.16E-06	0.00E+00	0.00E+00	0.00E+00	2.77E-06	0.00E+00	0.00E+00	0.00E+00
5518	379966.59	3736390.99	2.81E-05	0.00E+00	0.00E+00	0.00E+00	4.32E-06	0.00E+00	0.00E+00	0.00E+00	2.87E-06	0.00E+00	0.00E+00	0.00E+00
5519	379986.59	3736390.99	2.91E-05	0.00E+00	0.00E+00	0.00E+00	4.49E-06	0.00E+00	0.00E+00	0.00E+00	2.98E-06	0.00E+00	0.00E+00	0.00E+00
5520	380006.59	3736390.99	3.01E-05	0.00E+00	0.00E+00	0.00E+00	4.64E-06	0.00E+00	0.00E+00	0.00E+00	3.09E-06	0.00E+00	0.00E+00	0.00E+00
5521	380026.59	3736390.99	3.12E-05	0.00E+00	0.00E+00	0.00E+00	4.82E-06	0.00E+00	0.00E+00	0.00E+00	3.20E-06	0.00E+00	0.00E+00	0.00E+00
5522	380046.59	3736390.99	3.26E-05	0.00E+00	0.00E+00	0.00E+00	5.02E-06	0.00E+00	0.00E+00	0.00E+00	3.33E-06	0.00E+00	0.00E+00	0.00E+00
5523	380066.59	3736390.99	3.42E-05	0.00E+00	0.00E+00	0.00E+00	5.27E-06	0.00E+00	0.00E+00	0.00E+00	3.50E-06	0.00E+00	0.00E+00	0.00E+00
5524	379726.59	3736410.99	1.87E-05	0.00E+00	0.00E+00	0.00E+00	2.88E-06	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00
5525	379746.59	3736410.99	1.92E-05	0.00E+00	0.00E+00	0.00E+00	2.96E-06	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00
5526	379766.59	3736410.99	1.97E-05	0.00E+00	0.00E+00	0.00E+00	3.04E-06	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00
5527	379786.59	3736410.99	2.04E-05	0.00E+00	0.00E+00	0.00E+00	3.14E-06	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00
5528	379806.59	3736410.99	2.11E-05	0.00E+00	0.00E+00	0.00E+00	3.25E-06	0.00E+00	0.00E+00	0.00E+00	2.16E-06	0.00E+00	0.00E+00	0.00E+00
5529	379826.59	3736410.99	2.18E-05	0.00E+00	0.00E+00	0.00E+00	3.36E-06	0.00E+00	0.00E+00	0.00E+00	2.23E-06	0.00E+00	0.00E+00	0.00E+00
5530	379846.59	3736410.99	2.26E-05	0.00E+00	0.00E+00	0.00E+00	3.48E-06	0.00E+00	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00
5531	379866.59	3736410.99	2.33E-05	0.00E+00	0.00E+00	0.00E+00	3.59E-06	0.00E+00	0.00E+00	0.00E+00	2.39E-06	0.00E+00	0.00E+00	0.00E+00
5532	379886.59	3736410.99	2.41E-05	0.00E+00	0.00E+00	0.00E+00	3.71E-06	0.00E+00	0.00E+00	0.00E+00	2.47E-06	0.00E+00	0.00E+00	0.00E+00
5533	379906.59	3736410.99	2.49E-05	0.00E+00	0.00E+00	0.00E+00	3.84E-06	0.00E+00	0.00E+00	0.00E+00	2.55E-06	0.00E+00	0.00E+00	0.00E+00
5534	379926.59	3736410.99	2.58E-05	0.00E+00	0.00E+00	0.00E+00	3.97E-06	0.00E+00	0.00E+00	0.00E+00	2.64E-06	0.00E+00	0.00E+00	0.00E+00
5535	379946.59	3736410.99	2.68E-05	0.00E+00	0.00E+00	0.00E+00	4.12E-06	0.00E+00	0.00E+00	0.00E+00	2.74E-06	0.00E+00	0.00E+00	0.00E+00
5536	379966.59	3736410.99	2.78E-05	0.00E+00	0.00E+00	0.00E+00	4.28E-06	0.00E+00	0.00E+00	0.00E+00	2.85E-06	0.00E+00	0.00E+00	0.00E+00
5537	379986.59	3736410.99	2.88E-05	0.00E+00	0.00E+00	0.00E+00	4.44E-06	0.00E+00	0.00E+00	0.00E+00	2.95E-06	0.00E+00	0.00E+00	0.00E+00
5538	380006.59	3736410.99	2.98E-05	0.00E+00	0.00E+00	0.00E+00	4.59E-06	0.00E+00	0.00E+00	0.00E+00	3.05E-06	0.00E+00	0.00E+00	0.00E+00
5539	380026.59	3736410.99	3.09E-05	0.00E+00	0.00E+00	0.00E+00	4.76E-06	0.00E+00	0.00E+00	0.00E+00	3.16E-06	0.00E+00	0.00E+00	0.00E+00
5540	380046.59	3736410.99	3.21E-05	0.00E+00	0.00E+00	0.00E+00	4.95E-06	0.00E+00	0.00E+00	0.00E+00	3.29E-06	0.00E+00	0.00E+00	0.00E+00
5541	380066.59	3736410.99	3.37E-05	0.00E+00	0.00E+00	0.00E+00	5.20E-06	0.00E+00	0.00E+00	0.00E+00	3.46E-06	0.00E+00	0.00E+00	0.00E+00
5542	379726.59	3736430.99	1.86E-05	0.00E+00	0.00E+00	0.00E+00	2.87E-06	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00
5543	379746.59	3736430.99	1.91E-05	0.00E+00	0.00E+00	0.00E+00	2.94E-06	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00
5544	379766.59	3736430.99	1.96E-05	0.00E+00	0.00E+00	0.00E+00	3.02E-06	0.00E+00	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00
5545	379786.59	3736430.99	2.02E-05	0.00E+00	0.00E+00	0.00E+00	3.11E-06	0.00E+00	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00
5546	379806.59	3736430.99	2.09E-05	0.00E+00	0.00E+00	0.00E+00	3.22E-06	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00
5547	379826.59	3736430.99	2.16E-05	0.00E+00	0.00E+00	0.00E+00	3.33E-06	0.00E+00	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00
5548	379846.59	3736430.99	2.24E-05	0.00E+00	0.00E+00	0.00E+00	3.45E-06	0.00E+00	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00
5549	379866.59	3736430.99	2.32E-05	0.00E+00	0.00E+00	0.00E+00	3.57E-06	0.00E+00	0.00E+00	0.00E+00	2.37E-06	0.00E+00	0.00E+00	0.00E+00
5550	379886.59	3736430.99	2.39E-05	0.00E+00	0.00E+00	0.00E+00	3.69E-06	0.00E+00	0.00E+00	0.00E+00	2.45E-06	0.00E+00	0.00E+00	0.00E+00
5551	379906.59	3736430.99	2.47E-05	0.00E+00	0.00E+00	0.00E+00	3.81E-06	0.00E+00	0.00E+00	0.00E+00	2.53E-06	0.00E+00	0.00E+00	0.00E+00
5552	379926.59	3736430.99	2.56E-05	0.00E+00	0.00E+00	0.00E+00	3.94E-06	0.00E+00	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00
5553	379946.59	3736430.99	2.65E-05	0.00E+00	0.00E+00	0.00E+00	4.08E-06	0.00E+00	0.00E+00	0.00E+00	2.71E-06	0.00E+00	0.00E+00	0.00E+00
5554	379966.59	3736430.99	2.75E-05	0.00E+00	0.00E+00	0.00E+00	4.25E-06	0.00E+00	0.00E+00	0.00E+00	2.82E-06	0.00E+00	0.00E+00	0.00E+00
5555	379986.59	3736430.99	2.86E-05	0.00E+00	0.00E+00	0.00E+00	4.40E-06	0.00E+00	0.00E+00	0.00E+00	2.93E-06	0.00E+00	0.00E+00	0.00E+00
5556	380006.59	3736430.99	2.95E-05	0.00E+00	0.00E+00	0.00E+00	4.55E-06	0.00E+00	0.00E+00	0.00E+00	3.03E-06	0.00E+00	0.00E+00	0.00E+00
5557	380026.59	3736430.99	3.06E-05	0.00E+00	0.00E+00	0.00E+00	4.71E-06	0.00E+00	0.00E+00	0.00E+00	3.13E-06	0.00E+00	0.00E+00	0.00E+00
5558	380046.59	3736430.99	3.18E-05	0.00E+00	0.00E+00	0.00E+00	4.90E-06	0.00E+00	0.00E+00	0.00E+00	3.25E-06	0.00E+00	0.00E+00	0.00E+00
5559	379726.59	3736450.99	1.85E-05	0.00E+00	0.00E+00	0.00E+00	2.85E-06	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00
5560	379746.59	3736450.99	1.90E-05	0.00E+00	0.00E+00	0.00E+00	2.92E-06	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00
5561	379766.59	3736450.99	1.94E-05	0.00E+00	0.00E+00	0.00E+00	2.99E-06	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00
5562	379786.59	3736450.99	2.00E-05	0.00E+00	0.00E+00	0.00E+00	3.09E-06	0.00E+00	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00
5563	379806.59	3736450.99	2.07E-05	0.00E+00	0.00E+00	0.00E+00	3.19E-06	0.00E+00	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00
5564	379826.59	3736450.99	2.14E-05	0.00E+00	0.00E+00	0.00E+00	3.30E-06	0.00E+00	0.00E+00	0.00E+00	2.19E-06	0.00E+00	0.00E+00	0.00E+00
5565	379846.59	3736450.99	2.22E-05	0.00E+00	0.00E+00	0.00E+00	3.43E-06	0.00E+00	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00
5566	379866.59	3736450.99	2.30E-05	0.00E+00	0.00E+00	0.00E+00	3.55E-06	0.00E+00	0.00E+00	0.00E+00	2.36E-06	0.00E+00	0.00E+00	0.00E+00
5567	379886.59	3736450.99	2.37E-05	0.00E+00	0.00E+00	0.00E+00	3.66E-06	0.00E+00	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00
5568	379906.59	3736450.99	2.45E-05	0.00E+00	0.00E+00	0.00E+00	3.78E-06	0.00E+00	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00
5569	379926.59	3736450.99	2.53E-05	0.00E+00	0.00E+00	0.00E+00	3.90E-06	0.00E+00	0.00E+00	0.00E+00	2.59E-06	0.00E+00	0.00E+00	0.00E+00
5570	379946.59	3736450.99	2.63E-05	0.00E+00	0.00E+00	0.00E+00	4.05E-06	0.00E+00	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00
5571	379966.59	3736450.99	2.73E-05	0.00E+00	0.00E+00	0.00E+00	4.21E-06	0.00E+00	0.00E+00	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00
5572	379986.59	3736450.99	2.83E-05	0.00E+00	0.00E+00	0.00E+00	4.36E-06	0.00E+00	0.00E+00	0.00E+00	2.90E-06	0.00E+00	0.00E+00	0.00E+00
5573	380006.59	3736450.99	2.93E-05	0.00E+00	0.00E+00	0.00E+00	4.51E-06	0.00E+00	0.00E+00	0.00E+00	3.00E-06	0.00E+00	0.00E+00	0.00E+00
5574	380026.59	3736450.99	3.03E-05	0.00E+00	0.00E+00	0.00E+00	4.67E-06	0.00E+00	0.00E+00	0.00E+00	3.10E-06	0.00E+00	0.00E+00	0.00E+00
5575	380046.59	3736450.99	3.14E-05	0.00E+00	0.00E+00	0.00E+00	4.84E-06	0.00E+00	0.00E+00	0.00E+00	3.22E-06	0.00E+00	0.00E+00	0.00E+00
5576	379726.59	3736470.99	1.84E-05	0.00E+00	0.00E+00	0.00E+00	2.84E-06	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00

5577	379746.59	3736470.99	1.89E-05	0.00E+00	0.00E+00	0.00E+00	2.91E-06	0.00E+00	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00
5578	379766.59	3736470.99	1.93E-05	0.00E+00	0.00E+00	0.00E+00	2.97E-06	0.00E+00	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00
5579	379786.59	3736470.99	1.99E-05	0.00E+00	0.00E+00	0.00E+00	3.07E-06	0.00E+00	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00
5580	379806.59	3736470.99	2.05E-05	0.00E+00	0.00E+00	0.00E+00	3.17E-06	0.00E+00	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00
5581	379826.59	3736470.99	2.12E-05	0.00E+00	0.00E+00	0.00E+00	3.27E-06	0.00E+00	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00
5582	379846.59	3736470.99	2.20E-05	0.00E+00	0.00E+00	0.00E+00	3.40E-06	0.00E+00	0.00E+00	0.00E+00	2.26E-06	0.00E+00	0.00E+00	0.00E+00
5583	379866.59	3736470.99	2.28E-05	0.00E+00	0.00E+00	0.00E+00	3.52E-06	0.00E+00	0.00E+00	0.00E+00	2.34E-06	0.00E+00	0.00E+00	0.00E+00
5584	379886.59	3736470.99	2.35E-05	0.00E+00	0.00E+00	0.00E+00	3.62E-06	0.00E+00	0.00E+00	0.00E+00	2.41E-06	0.00E+00	0.00E+00	0.00E+00
5585	379906.59	3736470.99	2.43E-05	0.00E+00	0.00E+00	0.00E+00	3.74E-06	0.00E+00	0.00E+00	0.00E+00	2.48E-06	0.00E+00	0.00E+00	0.00E+00
5586	379926.59	3736470.99	2.51E-05	0.00E+00	0.00E+00	0.00E+00	3.87E-06	0.00E+00	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00
5587	379946.59	3736470.99	2.60E-05	0.00E+00	0.00E+00	0.00E+00	4.01E-06	0.00E+00	0.00E+00	0.00E+00	2.67E-06	0.00E+00	0.00E+00	0.00E+00
5588	379966.59	3736470.99	2.70E-05	0.00E+00	0.00E+00	0.00E+00	4.17E-06	0.00E+00	0.00E+00	0.00E+00	2.77E-06	0.00E+00	0.00E+00	0.00E+00
5589	379986.59	3736470.99	2.80E-05	0.00E+00	0.00E+00	0.00E+00	4.32E-06	0.00E+00	0.00E+00	0.00E+00	2.87E-06	0.00E+00	0.00E+00	0.00E+00
5590	380006.59	3736470.99	2.90E-05	0.00E+00	0.00E+00	0.00E+00	4.47E-06	0.00E+00	0.00E+00	0.00E+00	2.97E-06	0.00E+00	0.00E+00	0.00E+00
5591	380026.59	3736470.99	3.00E-05	0.00E+00	0.00E+00	0.00E+00	4.63E-06	0.00E+00	0.00E+00	0.00E+00	3.08E-06	0.00E+00	0.00E+00	0.00E+00
5592	380046.59	3736470.99	3.11E-05	0.00E+00	0.00E+00	0.00E+00	4.80E-06	0.00E+00	0.00E+00	0.00E+00	3.19E-06	0.00E+00	0.00E+00	0.00E+00
5593	379726.59	3736490.99	1.82E-05	0.00E+00	0.00E+00	0.00E+00	2.81E-06	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00
5594	379746.59	3736490.99	1.87E-05	0.00E+00	0.00E+00	0.00E+00	2.88E-06	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00
5595	379766.59	3736490.99	1.92E-05	0.00E+00	0.00E+00	0.00E+00	2.96E-06	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00
5596	379786.59	3736490.99	1.98E-05	0.00E+00	0.00E+00	0.00E+00	3.05E-06	0.00E+00	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00
5597	379806.59	3736490.99	2.04E-05	0.00E+00	0.00E+00	0.00E+00	3.15E-06	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00
5598	379826.59	3736490.99	2.11E-05	0.00E+00	0.00E+00	0.00E+00	3.25E-06	0.00E+00	0.00E+00	0.00E+00	2.16E-06	0.00E+00	0.00E+00	0.00E+00
5599	379846.59	3736490.99	2.19E-05	0.00E+00	0.00E+00	0.00E+00	3.37E-06	0.00E+00	0.00E+00	0.00E+00	2.24E-06	0.00E+00	0.00E+00	0.00E+00
5600	379866.59	3736490.99	2.26E-05	0.00E+00	0.00E+00	0.00E+00	3.49E-06	0.00E+00	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00
5601	379886.59	3736490.99	2.33E-05	0.00E+00	0.00E+00	0.00E+00	3.59E-06	0.00E+00	0.00E+00	0.00E+00	2.39E-06	0.00E+00	0.00E+00	0.00E+00
5602	379906.59	3736490.99	2.41E-05	0.00E+00	0.00E+00	0.00E+00	3.71E-06	0.00E+00	0.00E+00	0.00E+00	2.46E-06	0.00E+00	0.00E+00	0.00E+00
5603	379926.59	3736490.99	2.49E-05	0.00E+00	0.00E+00	0.00E+00	3.83E-06	0.00E+00	0.00E+00	0.00E+00	2.55E-06	0.00E+00	0.00E+00	0.00E+00
5604	379946.59	3736490.99	2.58E-05	0.00E+00	0.00E+00	0.00E+00	3.98E-06	0.00E+00	0.00E+00	0.00E+00	2.64E-06	0.00E+00	0.00E+00	0.00E+00
5605	379966.59	3736490.99	2.68E-05	0.00E+00	0.00E+00	0.00E+00	4.13E-06	0.00E+00	0.00E+00	0.00E+00	2.74E-06	0.00E+00	0.00E+00	0.00E+00
5606	379986.59	3736490.99	2.78E-05	0.00E+00	0.00E+00	0.00E+00	4.28E-06	0.00E+00	0.00E+00	0.00E+00	2.85E-06	0.00E+00	0.00E+00	0.00E+00
5607	380006.59	3736490.99	2.87E-05	0.00E+00	0.00E+00	0.00E+00	4.43E-06	0.00E+00	0.00E+00	0.00E+00	2.94E-06	0.00E+00	0.00E+00	0.00E+00
5608	380026.59	3736490.99	2.98E-05	0.00E+00	0.00E+00	0.00E+00	4.59E-06	0.00E+00	0.00E+00	0.00E+00	3.05E-06	0.00E+00	0.00E+00	0.00E+00
5609	380046.59	3736490.99	3.09E-05	0.00E+00	0.00E+00	0.00E+00	4.76E-06	0.00E+00	0.00E+00	0.00E+00	3.17E-06	0.00E+00	0.00E+00	0.00E+00
5610	379726.59	3736510.99	1.81E-05	0.00E+00	0.00E+00	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00
5611	379746.59	3736510.99	1.86E-05	0.00E+00	0.00E+00	0.00E+00	2.86E-06	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00
5612	379766.59	3736510.99	1.91E-05	0.00E+00	0.00E+00	0.00E+00	2.94E-06	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00
5613	379786.59	3736510.99	1.96E-05	0.00E+00	0.00E+00	0.00E+00	3.03E-06	0.00E+00	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00
5614	379806.59	3736510.99	2.03E-05	0.00E+00	0.00E+00	0.00E+00	3.12E-06	0.00E+00	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00
5615	379826.59	3736510.99	2.10E-05	0.00E+00	0.00E+00	0.00E+00	3.23E-06	0.00E+00	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00
5616	379846.59	3736510.99	2.17E-05	0.00E+00	0.00E+00	0.00E+00	3.34E-06	0.00E+00	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00
5617	379866.59	3736510.99	2.24E-05	0.00E+00	0.00E+00	0.00E+00	3.45E-06	0.00E+00	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00
5618	379886.59	3736510.99	2.31E-05	0.00E+00	0.00E+00	0.00E+00	3.56E-06	0.00E+00	0.00E+00	0.00E+00	2.37E-06	0.00E+00	0.00E+00	0.00E+00
5619	379906.59	3736510.99	2.38E-05	0.00E+00	0.00E+00	0.00E+00	3.67E-06	0.00E+00	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00
5620	379926.59	3736510.99	2.46E-05	0.00E+00	0.00E+00	0.00E+00	3.80E-06	0.00E+00	0.00E+00	0.00E+00	2.52E-06	0.00E+00	0.00E+00	0.00E+00
5621	379946.59	3736510.99	2.56E-05	0.00E+00	0.00E+00	0.00E+00	3.94E-06	0.00E+00	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00
5622	379966.59	3736510.99	2.65E-05	0.00E+00	0.00E+00	0.00E+00	4.08E-06	0.00E+00	0.00E+00	0.00E+00	2.71E-06	0.00E+00	0.00E+00	0.00E+00
5623	379986.59	3736510.99	2.75E-05	0.00E+00	0.00E+00	0.00E+00	4.23E-06	0.00E+00	0.00E+00	0.00E+00	2.81E-06	0.00E+00	0.00E+00	0.00E+00
5624	380006.59	3736510.99	2.85E-05	0.00E+00	0.00E+00	0.00E+00	4.39E-06	0.00E+00	0.00E+00	0.00E+00	2.91E-06	0.00E+00	0.00E+00	0.00E+00
5625	380026.59	3736510.99	2.95E-05	0.00E+00	0.00E+00	0.00E+00	4.55E-06	0.00E+00	0.00E+00	0.00E+00	3.02E-06	0.00E+00	0.00E+00	0.00E+00
5626	380046.59	3736510.99	3.06E-05	0.00E+00	0.00E+00	0.00E+00	4.72E-06	0.00E+00	0.00E+00	0.00E+00	3.14E-06	0.00E+00	0.00E+00	0.00E+00
5627	379726.59	3736530.99	1.79E-05	0.00E+00	0.00E+00	0.00E+00	2.76E-06	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00
5628	379746.59	3736530.99	1.84E-05	0.00E+00	0.00E+00	0.00E+00	2.83E-06	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00
5629	379766.59	3736530.99	1.89E-05	0.00E+00	0.00E+00	0.00E+00	2.91E-06	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00
5630	379786.59	3736530.99	1.95E-05	0.00E+00	0.00E+00	0.00E+00	3.00E-06	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00
5631	379806.59	3736530.99	2.01E-05	0.00E+00	0.00E+00	0.00E+00	3.10E-06	0.00E+00	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00
5632	379826.59	3736530.99	2.08E-05	0.00E+00	0.00E+00	0.00E+00	3.20E-06	0.00E+00	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00
5633	379846.59	3736530.99	2.15E-05	0.00E+00	0.00E+00	0.00E+00	3.31E-06	0.00E+00	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00
5634	379866.59	3736530.99	2.22E-05	0.00E+00	0.00E+00	0.00E+00	3.42E-06	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00
5635	379886.59	3736530.99	2.29E-05	0.00E+00	0.00E+00	0.00E+00	3.53E-06	0.00E+00	0.00E+00	0.00E+00	2.34E-06	0.00E+00	0.00E+00	0.00E+00
5636	379906.59	3736530.99	2.36E-05	0.00E+00	0.00E+00	0.00E+00	3.64E-06	0.00E+00	0.00E+00	0.00E+00	2.42E-06	0.00E+00	0.00E+00	0.00E+00
5637	379926.59	3736530.99	2.44E-05	0.00E+00	0.00E+00	0.00E+00	3.76E-06	0.00E+00	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00
5638	379946.59	3736530.99	2.53E-05	0.00E+00	0.00E+00	0.00E+00	3.89E-06	0.00E+00	0.00E+00	0.00E+00	2.59E-06	0.00E+00	0.00E+00	0.00E+00
5639	379966.59	3736530.99	2.62E-05	0.00E+00	0.00E+00	0.00E+00	4.04E-06	0.00E+00	0.00E+00	0.00E+00	2.68E-06	0.00E+00	0.00E+00	0.00E+00
5640	379986.59	3736530.99	2.71E-05	0.00E+00	0.00E+00	0.00E+00	4.18E-06	0.00E+00	0.00E+00	0.00E+00	2.78E-06	0.00E+00	0.00E+00	0.00E+00
5641	380006.59	3736530.99	2.82E-05	0.00E+00	0.00E+00	0.00E+00	4.34E-06	0.00E+00	0.00E+00	0.00E+00	2.88E-06	0.00E+00	0.00E+00	0.00E+00
5642	380026.59	3736530.99	2.92E-05	0.00E+00	0.00E+00	0.00E+00	4.50E-06	0.00E+00	0.00E+00	0.00E+00	2.99E-06	0.00E+00	0.00E+00	0.00E+00
5643	380046.59	3736530.99	3.04E-05	0.00E+00	0.00E+00	0.00E+00	4.69E-06	0.00E+00	0.00E+00	0.00E+00	3.11E-06	0.00E+00	0.00E+00	0.00E+00
5644	379726.59	3736550.99	1.78E-05	0.00E+00	0.00E+00	0.00E+00	2.74E-06	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00
5645	379746.59	3736550.99	1.83E-05	0.00E+00	0.00E+00	0.00E+00	2.82E-06	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00
5646	379766.59	3736550.99	1.88E-05	0.00E+00	0.00E+00	0.00E+00	2.90E-06	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00
5647	379786.59	3736550.99	1.93E-05	0.00E+00	0.00E+00	0.00E+00	2.98E-06	0.00E+00	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00
5648	379806.59	3736550.99	1.99E-05	0.00E+00	0.00E+00	0.00E+00	3.07E-06	0.00E+00	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00
5649	379826.59	3736550.99	2.06E-05	0.00E+00	0.00E+00	0.00E+00	3.17E-06	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00
5650	379846.59	3736550.99	2.13E-05	0.00E+00	0.00E+00	0.00E+00	3.28E-06	0.00E+00	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00
5651	379866.59	3736550.99	2.20E-05	0.00E+00	0.00E+00	0.00E+00	3.39E-06	0.00E+00	0.00E+00	0.00E+00	2.26E-06	0.00E+00	0.00E+00	0.00E+00
5652	379886.59	3736550.99	2.27E-05	0.00E+00	0.00E+00	0.00E+00	3.50E-06	0.00E+00	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00
5653	379906.59	3736550.99	2.34E-05	0.00E+00	0.00E+00	0.00E+00	3.60E-06	0.00E+00	0.00E+00	0.00E+00	2.39E-06	0.00E+00	0.00E+00	0.00E+00
5654	379926.59	3736550.99	2.41E-05	0.00E+00	0.00E+00	0.00E+00	3.72E-06	0.00E+00	0.00E+00	0.00E+00	2.47E-06	0.00E+00	0.00E+00	0.00E+00
5655	379946.59	3736550.99	2.49E-05	0.00E+00	0.00E+00	0.00E+00	3.84E-06	0.00E+00	0.00E+00	0.00E+00	2.55E-06	0.00E+00	0.00E+00	0.00E+00
5656	379966.59	3736550.99	2.59E-05	0.00E+00	0.00E+00	0.00E+00	3.99E-06	0.00E+00	0.00E+00	0.00E+00	2.65E-06	0.00E+00	0.00E+00	0.00E+00
5657	379986.59	3736550.99	2.69E-05	0.00E+00	0.00E+00	0.00E+00	4.14E-06	0.00E+00	0.00E+00	0.00E+00	2.75E-06	0.00E+00	0.00E+00	0.00E+00
5658	380006.59	3736550.99	2.79E-05	0.00E+00	0.00E+00	0.00E+00	4.31E-06	0.00E+00	0.00E+00	0.00E+00	2.86E-06	0.00E+00	0.00E+00	0.00E+00
5659	380026.59	3736550.99	2.90E-05	0.00E+00	0.00E+00	0.00E+00	4.48E-06	0.00E+00	0.00E+00	0.00E+00	2.97E-06	0.00E+00	0.00E+00	0.00E+00
5660	380046.59	3736550.99	3.02E-05	0.00E+00	0.00E+00	0.00E+00	4.66E-06	0.00E+00	0.00E+00	0.00E+00	3.10E-06	0.00E+00	0.00E+00	0.00E+00
5661	379726.59	3736570.99	1.77E-05	0.00E+00	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
5662	379746.59	3736570.99	1.82E-05	0.00E+00	0.00E+00	0.00E+00	2.80E-06	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00
5663	379766.59	3736570.99	1.87E-05	0.00E+00	0.00E+00	0.00E+00	2.88E-06	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00
5664	379786.59	3736570.99	1.91E-05	0.00E+00	0.00E+00	0.00E+00	2.95E-06	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00
5665	379806.59	3736570.99	1.97E-05	0.00E+00	0.00E+00	0.00E+00	3.03E-06	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00
5666	379826.59	3736570.99	2.03E-05	0.00E+00	0.00E+00	0.00E+00	3.13E-06	0.00E+00	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00

5667	379846.59	3736570.99	2.10E-05	0.00E+00	0.00E+00	0.00E+00	3.24E-06	0.00E+00	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00
5668	379866.59	3736570.99	2.18E-05	0.00E+00	0.00E+00	0.00E+00	3.35E-06	0.00E+00	0.00E+00	0.00E+00	2.23E-06	0.00E+00	0.00E+00	0.00E+00
5669	379886.59	3736570.99	2.24E-05	0.00E+00	0.00E+00	0.00E+00	3.46E-06	0.00E+00	0.00E+00	0.00E+00	2.30E-06	0.00E+00	0.00E+00	0.00E+00
5670	379906.59	3736570.99	2.31E-05	0.00E+00	0.00E+00	0.00E+00	3.56E-06	0.00E+00	0.00E+00	0.00E+00	2.37E-06	0.00E+00	0.00E+00	0.00E+00
5671	379926.59	3736570.99	2.38E-05	0.00E+00	0.00E+00	0.00E+00	3.67E-06	0.00E+00	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00
5672	379946.59	3736570.99	2.46E-05	0.00E+00	0.00E+00	0.00E+00	3.79E-06	0.00E+00	0.00E+00	0.00E+00	2.52E-06	0.00E+00	0.00E+00	0.00E+00
5673	379966.59	3736570.99	2.55E-05	0.00E+00	0.00E+00	0.00E+00	3.93E-06	0.00E+00	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00
5674	379986.59	3736570.99	2.65E-05	0.00E+00	0.00E+00	0.00E+00	4.08E-06	0.00E+00	0.00E+00	0.00E+00	2.71E-06	0.00E+00	0.00E+00	0.00E+00
5675	380006.59	3736570.99	2.76E-05	0.00E+00	0.00E+00	0.00E+00	4.25E-06	0.00E+00	0.00E+00	0.00E+00	2.83E-06	0.00E+00	0.00E+00	0.00E+00
5676	380026.59	3736570.99	2.88E-05	0.00E+00	0.00E+00	0.00E+00	4.44E-06	0.00E+00	0.00E+00	0.00E+00	2.95E-06	0.00E+00	0.00E+00	0.00E+00
5677	380046.59	3736570.99	3.01E-05	0.00E+00	0.00E+00	0.00E+00	4.63E-06	0.00E+00	0.00E+00	0.00E+00	3.08E-06	0.00E+00	0.00E+00	0.00E+00
5678	379726.59	3736590.99	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.71E-06	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00
5679	379746.59	3736590.99	1.80E-05	0.00E+00	0.00E+00	0.00E+00	2.78E-06	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00
5680	379766.59	3736590.99	1.85E-05	0.00E+00	0.00E+00	0.00E+00	2.85E-06	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00
5681	379786.59	3736590.99	1.90E-05	0.00E+00	0.00E+00	0.00E+00	2.92E-06	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00
5682	379806.59	3736590.99	1.95E-05	0.00E+00	0.00E+00	0.00E+00	3.00E-06	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00
5683	379826.59	3736590.99	2.00E-05	0.00E+00	0.00E+00	0.00E+00	3.09E-06	0.00E+00	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00
5684	379846.59	3736590.99	2.07E-05	0.00E+00	0.00E+00	0.00E+00	3.19E-06	0.00E+00	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00
5685	379866.59	3736590.99	2.14E-05	0.00E+00	0.00E+00	0.00E+00	3.30E-06	0.00E+00	0.00E+00	0.00E+00	2.19E-06	0.00E+00	0.00E+00	0.00E+00
5686	379886.59	3736590.99	2.21E-05	0.00E+00	0.00E+00	0.00E+00	3.41E-06	0.00E+00	0.00E+00	0.00E+00	2.26E-06	0.00E+00	0.00E+00	0.00E+00
5687	379906.59	3736590.99	2.28E-05	0.00E+00	0.00E+00	0.00E+00	3.51E-06	0.00E+00	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00
5688	379926.59	3736590.99	2.34E-05	0.00E+00	0.00E+00	0.00E+00	3.61E-06	0.00E+00	0.00E+00	0.00E+00	2.40E-06	0.00E+00	0.00E+00	0.00E+00
5689	379946.59	3736590.99	2.42E-05	0.00E+00	0.00E+00	0.00E+00	3.73E-06	0.00E+00	0.00E+00	0.00E+00	2.48E-06	0.00E+00	0.00E+00	0.00E+00
5690	379966.59	3736590.99	2.51E-05	0.00E+00	0.00E+00	0.00E+00	3.86E-06	0.00E+00	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00
5691	379986.59	3736590.99	2.60E-05	0.00E+00	0.00E+00	0.00E+00	4.01E-06	0.00E+00	0.00E+00	0.00E+00	2.67E-06	0.00E+00	0.00E+00	0.00E+00
5692	380006.59	3736590.99	2.71E-05	0.00E+00	0.00E+00	0.00E+00	4.18E-06	0.00E+00	0.00E+00	0.00E+00	2.78E-06	0.00E+00	0.00E+00	0.00E+00
5693	380026.59	3736590.99	2.84E-05	0.00E+00	0.00E+00	0.00E+00	4.38E-06	0.00E+00	0.00E+00	0.00E+00	2.91E-06	0.00E+00	0.00E+00	0.00E+00
5694	379726.59	3736610.99	1.74E-05	0.00E+00	0.00E+00	0.00E+00	2.68E-06	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00
5695	379746.59	3736610.99	1.79E-05	0.00E+00	0.00E+00	0.00E+00	2.75E-06	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00
5696	379766.59	3736610.99	1.84E-05	0.00E+00	0.00E+00	0.00E+00	2.83E-06	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00
5697	379786.59	3736610.99	1.88E-05	0.00E+00	0.00E+00	0.00E+00	2.90E-06	0.00E+00	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00
5698	379806.59	3736610.99	1.94E-05	0.00E+00	0.00E+00	0.00E+00	2.98E-06	0.00E+00	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00
5699	379826.59	3736610.99	1.99E-05	0.00E+00	0.00E+00	0.00E+00	3.06E-06	0.00E+00	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00
5700	379846.59	3736610.99	2.05E-05	0.00E+00	0.00E+00	0.00E+00	3.15E-06	0.00E+00	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00
5701	379866.59	3736610.99	2.11E-05	0.00E+00	0.00E+00	0.00E+00	3.25E-06	0.00E+00	0.00E+00	0.00E+00	2.16E-06	0.00E+00	0.00E+00	0.00E+00
5702	379886.59	3736610.99	2.18E-05	0.00E+00	0.00E+00	0.00E+00	3.36E-06	0.00E+00	0.00E+00	0.00E+00	2.23E-06	0.00E+00	0.00E+00	0.00E+00
5703	379906.59	3736610.99	2.25E-05	0.00E+00	0.00E+00	0.00E+00	3.46E-06	0.00E+00	0.00E+00	0.00E+00	2.30E-06	0.00E+00	0.00E+00	0.00E+00
5704	379926.59	3736610.99	2.32E-05	0.00E+00	0.00E+00	0.00E+00	3.57E-06	0.00E+00	0.00E+00	0.00E+00	2.37E-06	0.00E+00	0.00E+00	0.00E+00
5705	379946.59	3736610.99	2.39E-05	0.00E+00	0.00E+00	0.00E+00	3.69E-06	0.00E+00	0.00E+00	0.00E+00	2.45E-06	0.00E+00	0.00E+00	0.00E+00
5706	379966.59	3736610.99	2.48E-05	0.00E+00	0.00E+00	0.00E+00	3.82E-06	0.00E+00	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00
5707	379986.59	3736610.99	2.58E-05	0.00E+00	0.00E+00	0.00E+00	3.97E-06	0.00E+00	0.00E+00	0.00E+00	2.64E-06	0.00E+00	0.00E+00	0.00E+00
5708	380006.59	3736610.99	2.68E-05	0.00E+00	0.00E+00	0.00E+00	4.14E-06	0.00E+00	0.00E+00	0.00E+00	2.75E-06	0.00E+00	0.00E+00	0.00E+00
5709	380026.59	3736610.99	2.81E-05	0.00E+00	0.00E+00	0.00E+00	4.33E-06	0.00E+00	0.00E+00	0.00E+00	2.88E-06	0.00E+00	0.00E+00	0.00E+00
5710	379726.59	3736630.99	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.66E-06	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00
5711	379746.59	3736630.99	1.77E-05	0.00E+00	0.00E+00	0.00E+00	2.73E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
5712	379766.59	3736630.99	1.82E-05	0.00E+00	0.00E+00	0.00E+00	2.81E-06	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00
5713	379786.59	3736630.99	1.87E-05	0.00E+00	0.00E+00	0.00E+00	2.88E-06	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00
5714	379806.59	3736630.99	1.92E-05	0.00E+00	0.00E+00	0.00E+00	2.96E-06	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00
5715	379826.59	3736630.99	1.97E-05	0.00E+00	0.00E+00	0.00E+00	3.04E-06	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00
5716	379846.59	3736630.99	2.03E-05	0.00E+00	0.00E+00	0.00E+00	3.12E-06	0.00E+00	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00
5717	379866.59	3736630.99	2.08E-05	0.00E+00	0.00E+00	0.00E+00	3.21E-06	0.00E+00	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00
5718	379886.59	3736630.99	2.15E-05	0.00E+00	0.00E+00	0.00E+00	3.32E-06	0.00E+00	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00
5719	379906.59	3736630.99	2.22E-05	0.00E+00	0.00E+00	0.00E+00	3.42E-06	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00
5720	379926.59	3736630.99	2.29E-05	0.00E+00	0.00E+00	0.00E+00	3.53E-06	0.00E+00	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00
5721	379946.59	3736630.99	2.37E-05	0.00E+00	0.00E+00	0.00E+00	3.65E-06	0.00E+00	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00
5722	379966.59	3736630.99	2.45E-05	0.00E+00	0.00E+00	0.00E+00	3.78E-06	0.00E+00	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00
5723	379986.59	3736630.99	2.55E-05	0.00E+00	0.00E+00	0.00E+00	3.93E-06	0.00E+00	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00
5724	380006.59	3736630.99	2.65E-05	0.00E+00	0.00E+00	0.00E+00	4.09E-06	0.00E+00	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00
5725	380026.59	3736630.99	2.77E-05	0.00E+00	0.00E+00	0.00E+00	4.27E-06	0.00E+00	0.00E+00	0.00E+00	2.84E-06	0.00E+00	0.00E+00	0.00E+00
5726	379726.59	3736650.99	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.64E-06	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00
5727	379746.59	3736650.99	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.71E-06	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00
5728	379766.59	3736650.99	1.81E-05	0.00E+00	0.00E+00	0.00E+00	2.78E-06	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00
5729	379786.59	3736650.99	1.86E-05	0.00E+00	0.00E+00	0.00E+00	2.86E-06	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00
5730	379806.59	3736650.99	1.91E-05	0.00E+00	0.00E+00	0.00E+00	2.94E-06	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00
5731	379826.59	3736650.99	1.96E-05	0.00E+00	0.00E+00	0.00E+00	3.02E-06	0.00E+00	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00
5732	379846.59	3736650.99	2.01E-05	0.00E+00	0.00E+00	0.00E+00	3.09E-06	0.00E+00	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00
5733	379866.59	3736650.99	2.06E-05	0.00E+00	0.00E+00	0.00E+00	3.17E-06	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00
5734	379886.59	3736650.99	2.13E-05	0.00E+00	0.00E+00	0.00E+00	3.28E-06	0.00E+00	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00
5735	379906.59	3736650.99	2.20E-05	0.00E+00	0.00E+00	0.00E+00	3.39E-06	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00
5736	379926.59	3736650.99	2.27E-05	0.00E+00	0.00E+00	0.00E+00	3.50E-06	0.00E+00	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00
5737	379946.59	3736650.99	2.35E-05	0.00E+00	0.00E+00	0.00E+00	3.62E-06	0.00E+00	0.00E+00	0.00E+00	2.41E-06	0.00E+00	0.00E+00	0.00E+00
5738	379966.59	3736650.99	2.44E-05	0.00E+00	0.00E+00	0.00E+00	3.75E-06	0.00E+00	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00
5739	379986.59	3736650.99	2.53E-05	0.00E+00	0.00E+00	0.00E+00	3.89E-06	0.00E+00	0.00E+00	0.00E+00	2.59E-06	0.00E+00	0.00E+00	0.00E+00
5740	380006.59	3736650.99	2.62E-05	0.00E+00	0.00E+00	0.00E+00	4.04E-06	0.00E+00	0.00E+00	0.00E+00	2.68E-06	0.00E+00	0.00E+00	0.00E+00
5741	380026.59	3736650.99	2.73E-05	0.00E+00	0.00E+00	0.00E+00	4.21E-06	0.00E+00	0.00E+00	0.00E+00	2.80E-06	0.00E+00	0.00E+00	0.00E+00
5742	379726.59	3736670.99	1.70E-05	0.00E+00	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
5743	379746.59	3736670.99	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
5744	379766.59	3736670.99	1.80E-05	0.00E+00	0.00E+00	0.00E+00	2.77E-06	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00
5745	379786.59	3736670.99	1.85E-05	0.00E+00	0.00E+00	0.00E+00	2.85E-06	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00
5746	379806.59	3736670.99	1.90E-05	0.00E+00	0.00E+00	0.00E+00	2.92E-06	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00
5747	379826.59	3736670.99	1.94E-05	0.00E+00	0.00E+00	0.00E+00	3.00E-06	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00
5748	379846.59	3736670.99	1.99E-05	0.00E+00	0.00E+00	0.00E+00	3.07E-06	0.00E+00	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00
5749	379866.59	3736670.99	2.04E-05	0.00E+00	0.00E+00	0.00E+00	3.15E-06	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00
5750	379886.59	3736670.99	2.11E-05	0.00E+00	0.00E+00	0.00E+00	3.25E-06	0.00E+00	0.00E+00	0.00E+00	2.16E-06	0.00E+00	0.00E+00	0.00E+00
5751	379906.59	3736670.99	2.18E-05	0.00E+00	0.00E+00	0.00E+00	3.36E-06	0.00E+00	0.00E+00	0.00E+00	2.23E-06	0.00E+00	0.00E+00	0.00E+00
5752	379926.59	3736670.99	2.25E-05	0.00E+00	0.00E+00	0.00E+00	3.47E-06	0.00E+00	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00
5753	379946.59	3736670.99	2.33E-05	0.00E+00	0.00E+00	0.00E+00	3.60E-06	0.00E+00	0.00E+00	0.00E+00	2.39E-06	0.00E+00	0.00E+00	0.00E+00
5754	379966.59	3736670.99	2.42E-05	0.00E+00	0.00E+00	0.00E+00	3.73E-06	0.00E+00	0.00E+00	0.00E+00	2.48E-06	0.00E+00	0.00E+00	0.00E+00
5755	379986.59	3736670.99	2.51E-05	0.00E+00	0.00E+00	0.00E+00	3.87E-06	0.00E+00	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00
5756	380006.59	3736670.99	2.60E-05	0.00E+00	0.00E+00	0.00E+00	4.01E-06	0.00E+00	0.00E+00	0.00E+00	2.66E-06	0.00E+00	0.00E+00	0.00E+00

5757	380026.59	3736670.99	2.70E-05	0.00E+00	0.00E+00	0.00E+00	4.16E-06	0.00E+00	0.00E+00	0.00E+00	2.77E-06	0.00E+00	0.00E+00	0.00E+00
5758	379726.59	3736690.99	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.60E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
5759	379746.59	3736690.99	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.67E-06	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00
5760	379766.59	3736690.99	1.78E-05	0.00E+00	0.00E+00	0.00E+00	2.75E-06	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00
5761	379786.59	3736690.99	1.83E-05	0.00E+00	0.00E+00	0.00E+00	2.82E-06	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00
5762	379806.59	3736690.99	1.88E-05	0.00E+00	0.00E+00	0.00E+00	2.90E-06	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00
5763	379826.59	3736690.99	1.92E-05	0.00E+00	0.00E+00	0.00E+00	2.96E-06	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00
5764	379846.59	3736690.99	1.97E-05	0.00E+00	0.00E+00	0.00E+00	3.04E-06	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00
5765	379866.59	3736690.99	2.02E-05	0.00E+00	0.00E+00	0.00E+00	3.12E-06	0.00E+00	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00
5766	379886.59	3736690.99	2.09E-05	0.00E+00	0.00E+00	0.00E+00	3.22E-06	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00
5767	379906.59	3736690.99	2.16E-05	0.00E+00	0.00E+00	0.00E+00	3.33E-06	0.00E+00	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00
5768	379926.59	3736690.99	2.23E-05	0.00E+00	0.00E+00	0.00E+00	3.44E-06	0.00E+00	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00
5769	379946.59	3736690.99	2.31E-05	0.00E+00	0.00E+00	0.00E+00	3.56E-06	0.00E+00	0.00E+00	0.00E+00	2.37E-06	0.00E+00	0.00E+00	0.00E+00
5770	379966.59	3736690.99	2.39E-05	0.00E+00	0.00E+00	0.00E+00	3.69E-06	0.00E+00	0.00E+00	0.00E+00	2.45E-06	0.00E+00	0.00E+00	0.00E+00
5771	379986.59	3736690.99	2.48E-05	0.00E+00	0.00E+00	0.00E+00	3.82E-06	0.00E+00	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00
5772	380006.59	3736690.99	2.57E-05	0.00E+00	0.00E+00	0.00E+00	3.96E-06	0.00E+00	0.00E+00	0.00E+00	2.63E-06	0.00E+00	0.00E+00	0.00E+00
5773	380026.59	3736690.99	2.66E-05	0.00E+00	0.00E+00	0.00E+00	4.11E-06	0.00E+00	0.00E+00	0.00E+00	2.73E-06	0.00E+00	0.00E+00	0.00E+00
5774	379726.59	3736710.99	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
5775	379746.59	3736710.99	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.64E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
5776	379766.59	3736710.99	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
5777	379786.59	3736710.99	1.81E-05	0.00E+00	0.00E+00	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00
5778	379806.59	3736710.99	1.86E-05	0.00E+00	0.00E+00	0.00E+00	2.86E-06	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00
5779	379826.59	3736710.99	1.90E-05	0.00E+00	0.00E+00	0.00E+00	2.93E-06	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00
5780	379846.59	3736710.99	1.95E-05	0.00E+00	0.00E+00	0.00E+00	3.00E-06	0.00E+00	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00
5781	379866.59	3736710.99	2.00E-05	0.00E+00	0.00E+00	0.00E+00	3.09E-06	0.00E+00	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00
5782	379886.59	3736710.99	2.07E-05	0.00E+00	0.00E+00	0.00E+00	3.20E-06	0.00E+00	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00
5783	379906.59	3736710.99	2.14E-05	0.00E+00	0.00E+00	0.00E+00	3.30E-06	0.00E+00	0.00E+00	0.00E+00	2.19E-06	0.00E+00	0.00E+00	0.00E+00
5784	379926.59	3736710.99	2.21E-05	0.00E+00	0.00E+00	0.00E+00	3.41E-06	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00
5785	379946.59	3736710.99	2.29E-05	0.00E+00	0.00E+00	0.00E+00	3.53E-06	0.00E+00	0.00E+00	0.00E+00	2.34E-06	0.00E+00	0.00E+00	0.00E+00
5786	379966.59	3736710.99	2.36E-05	0.00E+00	0.00E+00	0.00E+00	3.64E-06	0.00E+00	0.00E+00	0.00E+00	2.42E-06	0.00E+00	0.00E+00	0.00E+00
5787	379986.59	3736710.99	2.44E-05	0.00E+00	0.00E+00	0.00E+00	3.76E-06	0.00E+00	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00
5788	380006.59	3736710.99	2.53E-05	0.00E+00	0.00E+00	0.00E+00	3.89E-06	0.00E+00	0.00E+00	0.00E+00	2.59E-06	0.00E+00	0.00E+00	0.00E+00
5789	380026.59	3736710.99	2.62E-05	0.00E+00	0.00E+00	0.00E+00	4.04E-06	0.00E+00	0.00E+00	0.00E+00	2.68E-06	0.00E+00	0.00E+00	0.00E+00
5790	379726.59	3736730.99	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.55E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
5791	379746.59	3736730.99	1.70E-05	0.00E+00	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
5792	379766.59	3736730.99	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.70E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
5793	379786.59	3736730.99	1.80E-05	0.00E+00	0.00E+00	0.00E+00	2.77E-06	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00
5794	379806.59	3736730.99	1.84E-05	0.00E+00	0.00E+00	0.00E+00	2.84E-06	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00
5795	379826.59	3736730.99	1.88E-05	0.00E+00	0.00E+00	0.00E+00	2.90E-06	0.00E+00	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00
5796	379846.59	3736730.99	1.93E-05	0.00E+00	0.00E+00	0.00E+00	2.97E-06	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00
5797	379866.59	3736730.99	1.98E-05	0.00E+00	0.00E+00	0.00E+00	3.06E-06	0.00E+00	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00
5798	379886.59	3736730.99	2.05E-05	0.00E+00	0.00E+00	0.00E+00	3.16E-06	0.00E+00	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00
5799	379906.59	3736730.99	2.12E-05	0.00E+00	0.00E+00	0.00E+00	3.27E-06	0.00E+00	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00
5800	379926.59	3736730.99	2.19E-05	0.00E+00	0.00E+00	0.00E+00	3.38E-06	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00
5801	379946.59	3736730.99	2.26E-05	0.00E+00	0.00E+00	0.00E+00	3.49E-06	0.00E+00	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00
5802	379966.59	3736730.99	2.33E-05	0.00E+00	0.00E+00	0.00E+00	3.59E-06	0.00E+00	0.00E+00	0.00E+00	2.39E-06	0.00E+00	0.00E+00	0.00E+00
5803	379986.59	3736730.99	2.40E-05	0.00E+00	0.00E+00	0.00E+00	3.71E-06	0.00E+00	0.00E+00	0.00E+00	2.46E-06	0.00E+00	0.00E+00	0.00E+00
5804	380006.59	3736730.99	2.49E-05	0.00E+00	0.00E+00	0.00E+00	3.84E-06	0.00E+00	0.00E+00	0.00E+00	2.55E-06	0.00E+00	0.00E+00	0.00E+00
5805	379726.59	3736750.99	1.64E-05	0.00E+00	0.00E+00	0.00E+00	2.52E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
5806	379746.59	3736750.99	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.59E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
5807	379766.59	3736750.99	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.67E-06	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00
5808	379786.59	3736750.99	1.78E-05	0.00E+00	0.00E+00	0.00E+00	2.74E-06	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00
5809	379806.59	3736750.99	1.83E-05	0.00E+00	0.00E+00	0.00E+00	2.81E-06	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00
5810	379826.59	3736750.99	1.86E-05	0.00E+00	0.00E+00	0.00E+00	2.87E-06	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00
5811	379846.59	3736750.99	1.91E-05	0.00E+00	0.00E+00	0.00E+00	2.94E-06	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00
5812	379866.59	3736750.99	1.96E-05	0.00E+00	0.00E+00	0.00E+00	3.02E-06	0.00E+00	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00
5813	379886.59	3736750.99	2.03E-05	0.00E+00	0.00E+00	0.00E+00	3.13E-06	0.00E+00	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00
5814	379906.59	3736750.99	2.10E-05	0.00E+00	0.00E+00	0.00E+00	3.24E-06	0.00E+00	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00
5815	379926.59	3736750.99	2.17E-05	0.00E+00	0.00E+00	0.00E+00	3.35E-06	0.00E+00	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00
5816	379946.59	3736750.99	2.24E-05	0.00E+00	0.00E+00	0.00E+00	3.45E-06	0.00E+00	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00
5817	379966.59	3736750.99	2.30E-05	0.00E+00	0.00E+00	0.00E+00	3.55E-06	0.00E+00	0.00E+00	0.00E+00	2.36E-06	0.00E+00	0.00E+00	0.00E+00
5818	379986.59	3736750.99	2.38E-05	0.00E+00	0.00E+00	0.00E+00	3.66E-06	0.00E+00	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00
5819	380006.59	3736750.99	2.46E-05	0.00E+00	0.00E+00	0.00E+00	3.79E-06	0.00E+00	0.00E+00	0.00E+00	2.52E-06	0.00E+00	0.00E+00	0.00E+00
5820	379726.59	3736770.99	1.62E-05	0.00E+00	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00
5821	379746.59	3736770.99	1.66E-05	0.00E+00	0.00E+00	0.00E+00	2.56E-06	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00
5822	379766.59	3736770.99	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.64E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
5823	379786.59	3736770.99	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
5824	379806.59	3736770.99	1.81E-05	0.00E+00	0.00E+00	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00
5825	379826.59	3736770.99	1.84E-05	0.00E+00	0.00E+00	0.00E+00	2.84E-06	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00
5826	379846.59	3736770.99	1.89E-05	0.00E+00	0.00E+00	0.00E+00	2.91E-06	0.00E+00	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00
5827	379866.59	3736770.99	1.94E-05	0.00E+00	0.00E+00	0.00E+00	2.99E-06	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00
5828	379886.59	3736770.99	2.01E-05	0.00E+00	0.00E+00	0.00E+00	3.10E-06	0.00E+00	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00
5829	379906.59	3736770.99	2.08E-05	0.00E+00	0.00E+00	0.00E+00	3.20E-06	0.00E+00	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00
5830	379926.59	3736770.99	2.15E-05	0.00E+00	0.00E+00	0.00E+00	3.31E-06	0.00E+00	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00
5831	379946.59	3736770.99	2.21E-05	0.00E+00	0.00E+00	0.00E+00	3.41E-06	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00
5832	379966.59	3736770.99	2.28E-05	0.00E+00	0.00E+00	0.00E+00	3.51E-06	0.00E+00	0.00E+00	0.00E+00	2.34E-06	0.00E+00	0.00E+00	0.00E+00
5833	379986.59	3736770.99	2.35E-05	0.00E+00	0.00E+00	0.00E+00	3.63E-06	0.00E+00	0.00E+00	0.00E+00	2.41E-06	0.00E+00	0.00E+00	0.00E+00
5834	380006.59	3736770.99	2.44E-05	0.00E+00	0.00E+00	0.00E+00	3.76E-06	0.00E+00	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00
5835	379726.59	3736790.99	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.48E-06	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00
5836	379746.59	3736790.99	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.55E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
5837	379766.59	3736790.99	1.70E-05	0.00E+00	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
5838	379786.59	3736790.99	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
5839	379806.59	3736790.99	1.79E-05	0.00E+00	0.00E+00	0.00E+00	2.76E-06	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00
5840	379826.59	3736790.99	1.83E-05	0.00E+00	0.00E+00	0.00E+00	2.83E-06	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00
5841	379846.59	3736790.99	1.87E-05	0.00E+00	0.00E+00	0.00E+00	2.89E-06	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00
5842	379866.59	3736790.99	1.92E-05	0.00E+00	0.00E+00	0.00E+00	2.97E-06	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00
5843	379886.59	3736790.99	1.99E-05	0.00E+00	0.00E+00	0.00E+00	3.07E-06	0.00E+00	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00
5844	379906.59	3736790.99	2.06E-05	0.00E+00	0.00E+00	0.00E+00	3.17E-06	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00
5845	379926.59	3736790.99	2.12E-05	0.00E+00	0.00E+00	0.00E+00	3.26E-06	0.00E+00	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00
5846	379946.59	3736790.99	2.18E-05	0.00E+00	0.00E+00	0.00E+00	3.36E-06	0.00E+00	0.00E+00	0.00E+00	2.23E-06	0.00E+00	0.00E+00	0.00E+00

5847	379966.59	3736790.99	2.25E-05	0.00E+00	0.00E+00	0.00E+00	3.47E-06	0.00E+00	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00
5848	379986.59	3736790.99	2.33E-05	0.00E+00	0.00E+00	0.00E+00	3.59E-06	0.00E+00	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00
5849	380006.59	3736790.99	2.42E-05	0.00E+00	0.00E+00	0.00E+00	3.73E-06	0.00E+00	0.00E+00	0.00E+00	2.48E-06	0.00E+00	0.00E+00	0.00E+00
5850	379726.59	3736810.99	1.60E-05	0.00E+00	0.00E+00	0.00E+00	2.46E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
5851	379746.59	3736810.99	1.64E-05	0.00E+00	0.00E+00	0.00E+00	2.53E-06	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00
5852	379766.59	3736810.99	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.60E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
5853	379786.59	3736810.99	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.66E-06	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00
5854	379806.59	3736810.99	1.77E-05	0.00E+00	0.00E+00	0.00E+00	2.73E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
5855	379826.59	3736810.99	1.81E-05	0.00E+00	0.00E+00	0.00E+00	2.80E-06	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00
5856	379846.59	3736810.99	1.86E-05	0.00E+00	0.00E+00	0.00E+00	2.86E-06	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00
5857	379866.59	3736810.99	1.91E-05	0.00E+00	0.00E+00	0.00E+00	2.94E-06	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00
5858	379886.59	3736810.99	1.97E-05	0.00E+00	0.00E+00	0.00E+00	3.04E-06	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00
5859	379906.59	3736810.99	2.03E-05	0.00E+00	0.00E+00	0.00E+00	3.13E-06	0.00E+00	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00
5860	379926.59	3736810.99	2.09E-05	0.00E+00	0.00E+00	0.00E+00	3.22E-06	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00
5861	379946.59	3736810.99	2.15E-05	0.00E+00	0.00E+00	0.00E+00	3.31E-06	0.00E+00	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00
5862	379966.59	3736810.99	2.22E-05	0.00E+00	0.00E+00	0.00E+00	3.42E-06	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00
5863	379986.59	3736810.99	2.29E-05	0.00E+00	0.00E+00	0.00E+00	3.54E-06	0.00E+00	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00
5864	380006.59	3736810.99	2.39E-05	0.00E+00	0.00E+00	0.00E+00	3.68E-06	0.00E+00	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00
5865	379726.59	3736830.99	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00
5866	379746.59	3736830.99	1.62E-05	0.00E+00	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00
5867	379766.59	3736830.99	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
5868	379786.59	3736830.99	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.63E-06	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00
5869	379806.59	3736830.99	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.70E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
5870	379826.59	3736830.99	1.79E-05	0.00E+00	0.00E+00	0.00E+00	2.76E-06	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00
5871	379846.59	3736830.99	1.84E-05	0.00E+00	0.00E+00	0.00E+00	2.83E-06	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00
5872	379866.59	3736830.99	1.89E-05	0.00E+00	0.00E+00	0.00E+00	2.91E-06	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00
5873	379886.59	3736830.99	1.95E-05	0.00E+00	0.00E+00	0.00E+00	3.00E-06	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00
5874	379906.59	3736830.99	2.00E-05	0.00E+00	0.00E+00	0.00E+00	3.09E-06	0.00E+00	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00
5875	379926.59	3736830.99	2.06E-05	0.00E+00	0.00E+00	0.00E+00	3.18E-06	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00
5876	379946.59	3736830.99	2.11E-05	0.00E+00	0.00E+00	0.00E+00	3.26E-06	0.00E+00	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00
5877	379966.59	3736830.99	2.18E-05	0.00E+00	0.00E+00	0.00E+00	3.36E-06	0.00E+00	0.00E+00	0.00E+00	2.23E-06	0.00E+00	0.00E+00	0.00E+00
5878	379986.59	3736830.99	2.25E-05	0.00E+00	0.00E+00	0.00E+00	3.47E-06	0.00E+00	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00
5879	380006.59	3736830.99	2.35E-05	0.00E+00	0.00E+00	0.00E+00	3.62E-06	0.00E+00	0.00E+00	0.00E+00	2.40E-06	0.00E+00	0.00E+00	0.00E+00
5880	379726.59	3736850.99	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.41E-06	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00
5881	379746.59	3736850.99	1.60E-05	0.00E+00	0.00E+00	0.00E+00	2.47E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
5882	379766.59	3736850.99	1.64E-05	0.00E+00	0.00E+00	0.00E+00	2.53E-06	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00
5883	379786.59	3736850.99	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.59E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
5884	379806.59	3736850.99	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.66E-06	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00
5885	379826.59	3736850.99	1.77E-05	0.00E+00	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
5886	379846.59	3736850.99	1.81E-05	0.00E+00	0.00E+00	0.00E+00	2.80E-06	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00
5887	379866.59	3736850.99	1.87E-05	0.00E+00	0.00E+00	0.00E+00	2.88E-06	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00
5888	379886.59	3736850.99	1.92E-05	0.00E+00	0.00E+00	0.00E+00	2.96E-06	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00
5889	379906.59	3736850.99	1.98E-05	0.00E+00	0.00E+00	0.00E+00	3.05E-06	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00
5890	379926.59	3736850.99	2.03E-05	0.00E+00	0.00E+00	0.00E+00	3.13E-06	0.00E+00	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00
5891	379946.59	3736850.99	2.09E-05	0.00E+00	0.00E+00	0.00E+00	3.22E-06	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00
5892	379966.59	3736850.99	2.15E-05	0.00E+00	0.00E+00	0.00E+00	3.31E-06	0.00E+00	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00
5893	379986.59	3736850.99	2.22E-05	0.00E+00	0.00E+00	0.00E+00	3.42E-06	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00
5894	380006.59	3736850.99	2.31E-05	0.00E+00	0.00E+00	0.00E+00	3.55E-06	0.00E+00	0.00E+00	0.00E+00	2.36E-06	0.00E+00	0.00E+00	0.00E+00
5895	379726.59	3736870.99	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.37E-06	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00
5896	379746.59	3736870.99	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
5897	379766.59	3736870.99	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00
5898	379786.59	3736870.99	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.55E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
5899	379806.59	3736870.99	1.70E-05	0.00E+00	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
5900	379826.59	3736870.99	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
5901	379846.59	3736870.99	1.79E-05	0.00E+00	0.00E+00	0.00E+00	2.76E-06	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00
5902	379866.59	3736870.99	1.84E-05	0.00E+00	0.00E+00	0.00E+00	2.84E-06	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00
5903	379886.59	3736870.99	1.89E-05	0.00E+00	0.00E+00	0.00E+00	2.92E-06	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00
5904	379906.59	3736870.99	1.95E-05	0.00E+00	0.00E+00	0.00E+00	3.00E-06	0.00E+00	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00
5905	379926.59	3736870.99	2.01E-05	0.00E+00	0.00E+00	0.00E+00	3.09E-06	0.00E+00	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00
5906	379946.59	3736870.99	2.06E-05	0.00E+00	0.00E+00	0.00E+00	3.18E-06	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00
5907	379966.59	3736870.99	2.12E-05	0.00E+00	0.00E+00	0.00E+00	3.27E-06	0.00E+00	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00
5908	379986.59	3736870.99	2.19E-05	0.00E+00	0.00E+00	0.00E+00	3.37E-06	0.00E+00	0.00E+00	0.00E+00	2.24E-06	0.00E+00	0.00E+00	0.00E+00
5909	379726.59	3736890.99	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
5910	379746.59	3736890.99	1.55E-05	0.00E+00	0.00E+00	0.00E+00	2.39E-06	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00
5911	379766.59	3736890.99	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00
5912	379786.59	3736890.99	1.63E-05	0.00E+00	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
5913	379806.59	3736890.99	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
5914	379826.59	3736890.99	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.65E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
5915	379846.59	3736890.99	1.77E-05	0.00E+00	0.00E+00	0.00E+00	2.73E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
5916	379866.59	3736890.99	1.82E-05	0.00E+00	0.00E+00	0.00E+00	2.81E-06	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00
5917	379886.59	3736890.99	1.87E-05	0.00E+00	0.00E+00	0.00E+00	2.88E-06	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00
5918	379906.59	3736890.99	1.92E-05	0.00E+00	0.00E+00	0.00E+00	2.97E-06	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00
5919	379926.59	3736890.99	1.98E-05	0.00E+00	0.00E+00	0.00E+00	3.06E-06	0.00E+00	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00
5920	379946.59	3736890.99	2.04E-05	0.00E+00	0.00E+00	0.00E+00	3.14E-06	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00
5921	379966.59	3736890.99	2.09E-05	0.00E+00	0.00E+00	0.00E+00	3.22E-06	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00
5922	379986.59	3736890.99	2.15E-05	0.00E+00	0.00E+00	0.00E+00	3.32E-06	0.00E+00	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00
5923	379726.59	3736910.99	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00
5924	379746.59	3736910.99	1.53E-05	0.00E+00	0.00E+00	0.00E+00	2.36E-06	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00
5925	379766.59	3736910.99	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.41E-06	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00
5926	379786.59	3736910.99	1.60E-05	0.00E+00	0.00E+00	0.00E+00	2.47E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
5927	379806.59	3736910.99	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
5928	379826.59	3736910.99	1.69E-05	0.00E+00	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00
5929	379846.59	3736910.99	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
5930	379866.59	3736910.99	1.80E-05	0.00E+00	0.00E+00	0.00E+00	2.77E-06	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00
5931	379886.59	3736910.99	1.84E-05	0.00E+00	0.00E+00	0.00E+00	2.84E-06	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00
5932	379906.59	3736910.99	1.90E-05	0.00E+00	0.00E+00	0.00E+00	2.92E-06	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00
5933	379926.59	3736910.99	1.95E-05	0.00E+00	0.00E+00	0.00E+00	3.00E-06	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00
5934	379946.59	3736910.99	2.00E-05	0.00E+00	0.00E+00	0.00E+00	3.08E-06	0.00E+00	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00
5935	379966.59	3736910.99	2.06E-05	0.00E+00	0.00E+00	0.00E+00	3.17E-06	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00
5936	379986.59	3736910.99	2.12E-05	0.00E+00	0.00E+00	0.00E+00	3.26E-06	0.00E+00	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00

5937	379726.59	3736930.99	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
5938	379746.59	3736930.99	1.51E-05	0.00E+00	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
5939	379766.59	3736930.99	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00
5940	379786.59	3736930.99	1.58E-05	0.00E+00	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00
5941	379806.59	3736930.99	1.63E-05	0.00E+00	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
5942	379826.59	3736930.99	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.58E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
5943	379846.59	3736930.99	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.65E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
5944	379866.59	3736930.99	1.77E-05	0.00E+00	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
5945	379886.59	3736930.99	1.81E-05	0.00E+00	0.00E+00	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00
5946	379906.59	3736930.99	1.86E-05	0.00E+00	0.00E+00	0.00E+00	2.87E-06	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00
5947	379926.59	3736930.99	1.91E-05	0.00E+00	0.00E+00	0.00E+00	2.95E-06	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00
5948	379946.59	3736930.99	1.97E-05	0.00E+00	0.00E+00	0.00E+00	3.03E-06	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00
5949	379966.59	3736930.99	2.03E-05	0.00E+00	0.00E+00	0.00E+00	3.13E-06	0.00E+00	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00
5950	379726.59	3736950.99	1.45E-05	0.00E+00	0.00E+00	0.00E+00	2.24E-06	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00
5951	379746.59	3736950.99	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00
5952	379766.59	3736950.99	1.53E-05	0.00E+00	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
5953	379786.59	3736950.99	1.57E-05	0.00E+00	0.00E+00	0.00E+00	2.42E-06	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00
5954	379806.59	3736950.99	1.61E-05	0.00E+00	0.00E+00	0.00E+00	2.48E-06	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00
5955	379826.59	3736950.99	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.55E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
5956	379846.59	3736950.99	1.69E-05	0.00E+00	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00
5957	379866.59	3736950.99	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.67E-06	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00
5958	379886.59	3736950.99	1.78E-05	0.00E+00	0.00E+00	0.00E+00	2.74E-06	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00
5959	379906.59	3736950.99	1.82E-05	0.00E+00	0.00E+00	0.00E+00	2.81E-06	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00
5960	379926.59	3736950.99	1.88E-05	0.00E+00	0.00E+00	0.00E+00	2.89E-06	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00
5961	379946.59	3736950.99	1.94E-05	0.00E+00	0.00E+00	0.00E+00	2.99E-06	0.00E+00	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00
5962	379966.59	3736950.99	2.00E-05	0.00E+00	0.00E+00	0.00E+00	3.09E-06	0.00E+00	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00
5963	379726.59	3736970.99	1.43E-05	0.00E+00	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00
5964	379746.59	3736970.99	1.46E-05	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00
5965	379766.59	3736970.99	1.50E-05	0.00E+00	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00
5966	379786.59	3736970.99	1.54E-05	0.00E+00	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00
5967	379806.59	3736970.99	1.59E-05	0.00E+00	0.00E+00	0.00E+00	2.45E-06	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00
5968	379826.59	3736970.99	1.63E-05	0.00E+00	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
5969	379846.59	3736970.99	1.66E-05	0.00E+00	0.00E+00	0.00E+00	2.56E-06	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00
5970	379866.59	3736970.99	1.70E-05	0.00E+00	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
5971	379886.59	3736970.99	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00
5972	379906.59	3736970.99	1.79E-05	0.00E+00	0.00E+00	0.00E+00	2.76E-06	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00
5973	379926.59	3736970.99	1.84E-05	0.00E+00	0.00E+00	0.00E+00	2.84E-06	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00
5974	379946.59	3736970.99	1.90E-05	0.00E+00	0.00E+00	0.00E+00	2.93E-06	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00
5975	379966.59	3736970.99	1.98E-05	0.00E+00	0.00E+00	0.00E+00	3.04E-06	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00
5976	379726.59	3736990.99	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
5977	379746.59	3736990.99	1.44E-05	0.00E+00	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00
5978	379766.59	3736990.99	1.47E-05	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
5979	379786.59	3736990.99	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.34E-06	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00
5980	379806.59	3736990.99	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.40E-06	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00
5981	379826.59	3736990.99	1.60E-05	0.00E+00	0.00E+00	0.00E+00	2.46E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
5982	379846.59	3736990.99	1.63E-05	0.00E+00	0.00E+00	0.00E+00	2.52E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
5983	379866.59	3736990.99	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.58E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00
5984	379886.59	3736990.99	1.71E-05	0.00E+00	0.00E+00	0.00E+00	2.64E-06	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00
5985	379906.59	3736990.99	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.71E-06	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00
5986	379926.59	3736990.99	1.80E-05	0.00E+00	0.00E+00	0.00E+00	2.78E-06	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00
5987	379946.59	3736990.99	1.87E-05	0.00E+00	0.00E+00	0.00E+00	2.88E-06	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00
5988	379966.59	3736990.99	1.94E-05	0.00E+00	0.00E+00	0.00E+00	2.99E-06	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00
5989	379726.59	3737010.99	1.38E-05	0.00E+00	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00
5990	379746.59	3737010.99	1.41E-05	0.00E+00	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00
5991	379766.59	3737010.99	1.45E-05	0.00E+00	0.00E+00	0.00E+00	2.23E-06	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00
5992	379786.59	3737010.99	1.49E-05	0.00E+00	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00
5993	379806.59	3737010.99	1.53E-05	0.00E+00	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00
5994	379826.59	3737010.99	1.57E-05	0.00E+00	0.00E+00	0.00E+00	2.41E-06	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00
5995	379846.59	3737010.99	1.60E-05	0.00E+00	0.00E+00	0.00E+00	2.47E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00
5996	379866.59	3737010.99	1.64E-05	0.00E+00	0.00E+00	0.00E+00	2.53E-06	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00
5997	379886.59	3737010.99	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.59E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
5998	379906.59	3737010.99	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.65E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
5999	379926.59	3737010.99	1.77E-05	0.00E+00	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
6000	379946.59	3737010.99	1.83E-05	0.00E+00	0.00E+00	0.00E+00	2.82E-06	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00
6001	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6002	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6003	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6004	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6005	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6006	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6007	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6008	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6009	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6010	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6011	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6012	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6013	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6014	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6015	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6016	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6017	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6018	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6019	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6020	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6021	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6022	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6023	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6024	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6025	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6026	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

6027	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6028	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6029	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6030	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6031	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6032	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6033	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6034	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6035	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6036	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6037	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6038	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6039	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6040	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6041	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6042	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6043	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6044	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6045	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6046	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6047	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6048	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6049	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6050	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6051	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6052	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6053	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6054	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6055	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6056	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6057	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6058	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6059	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6060	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6061	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6062	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6063	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6064	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6065	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6066	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6067	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6068	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6069	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6070	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6071	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6072	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6073	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6074	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6075	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6076	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6077	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6078	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6079	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6080	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6081	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6082	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6083	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6084	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6085	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6086	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6087	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6088	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6089	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6090	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6091	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6092	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6093	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6094	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6095	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6096	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6097	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6098	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6099	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6100	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6101	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6102	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6103	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6104	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6105	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6106	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6107	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6108	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6109	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6110	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6111	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6112	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6113	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6114	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6115	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6116	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

6117	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6118	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6119	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6120	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6121	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6122	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6123	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6124	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6125	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6126	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6127	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6128	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6129	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6130	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6131	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6132	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6133	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6134	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6135	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6136	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6137	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6138	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6139	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6140	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6141	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6142	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6143	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6144	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6145	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6146	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6147	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6148	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6149	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6150	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6151	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6152	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6153	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6154	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6155	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6156	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6157	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6158	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6159	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6160	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6161	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6162	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6163	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6164	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6165	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6166	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6167	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6168	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6169	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6170	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6171	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6172	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6173	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6174	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6175	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6176	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6177	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6178	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6179	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6180	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6181	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6182	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6183	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6184	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6185	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6186	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6187	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6188	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6189	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6190	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6191	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6192	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6193	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6194	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6195	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6196	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6197	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6198	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6199	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6200	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6201	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6202	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6203	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6204	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6205	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6206	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

6207	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6208	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6209	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6210	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6211	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6212	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6213	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6214	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6215	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6216	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6217	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6218	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6219	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6220	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6221	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6222	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6223	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6224	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6225	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6226	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6227	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6228	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6229	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6230	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6231	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6232	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6233	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6234	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6235	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6236	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6237	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6238	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6239	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6240	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6241	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6242	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6243	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6244	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6245	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6246	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6247	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6248	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6249	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6250	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6251	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6252	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6253	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6254	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6255	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6256	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6257	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6258	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6259	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6260	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6261	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6262	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6263	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6264	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6265	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6266	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6267	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6268	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6269	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6270	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6271	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6272	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6273	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6274	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6275	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6276	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6277	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6278	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6279	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6280	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6281	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6282	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6283	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6284	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6285	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6286	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6287	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6288	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6289	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6290	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6291	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6292	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6293	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6294	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6295	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6296	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

6297	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6298	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6299	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6300	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6301	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6302	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6303	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6304	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6305	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6306	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6307	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6308	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6309	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6310	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6311	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6312	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6313	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6314	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6315	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6316	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6317	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6318	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6319	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6320	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6321	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6322	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6323	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6324	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6325	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6326	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6327	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6328	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6329	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6330	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6331	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6332	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6333	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6334	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6335	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6336	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6337	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6338	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6339	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6340	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6341	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6342	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6343	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6344	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6345	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6346	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6347	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6348	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6349	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6350	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6351	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6352	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6353	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6354	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6355	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6356	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6357	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6358	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6359	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6360	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6361	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6362	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6363	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6364	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6365	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6366	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6367	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6368	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6369	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6370	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6371	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6372	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6373	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6374	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6375	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6376	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6377	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6378	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6379	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6380	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6381	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6382	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6383	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6384	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6385	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6386	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

6387	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

			129	381628.81	3737562.02
	Max Yr	**1**	8.85E-04	1.36E-04	9.07E-05
	Row	**18**	T3	T3L3	T4
		Col	**3**	**4**	**5**
		Adjustment	**100%**	**15%**	**10%**
			Year 1	Year 1	Year 1
1	381788.8	3737481	5.12E-04	7.88E-05	5.24E-05
2	381808.8	3737481	4.78E-04	7.37E-05	4.90E-05
3	381828.8	3737481	4.48E-04	6.90E-05	4.58E-05
4	381848.8	3737481	4.20E-04	6.47E-05	4.30E-05
5	381868.8	3737481	3.94E-04	6.08E-05	4.04E-05
6	381888.8	3737481	3.71E-04	5.72E-05	3.80E-05
7	381908.8	3737481	3.50E-04	5.39E-05	3.58E-05
8	381928.8	3737481	3.30E-04	5.09E-05	3.38E-05
9	381728.8	3737501	6.33E-04	9.75E-05	6.48E-05
10	381748.8	3737501	5.88E-04	9.06E-05	6.02E-05
11	381768.8	3737501	5.48E-04	8.45E-05	5.61E-05
12	381788.8	3737501	5.12E-04	7.89E-05	5.24E-05
13	381808.8	3737501	4.79E-04	7.38E-05	4.90E-05
14	381828.8	3737501	4.48E-04	6.91E-05	4.59E-05
15	381848.8	3737501	4.21E-04	6.48E-05	4.31E-05
16	381868.8	3737501	3.95E-04	6.09E-05	4.05E-05
17	381888.8	3737501	3.72E-04	5.73E-05	3.81E-05
18	381908.8	3737501	3.51E-04	5.41E-05	3.59E-05
19	381928.8	3737501	3.31E-04	5.11E-05	3.39E-05
20	381948.8	3737501	3.13E-04	4.83E-05	3.21E-05
21	381968.8	3737501	2.97E-04	4.58E-05	3.04E-05
22	381988.8	3737501	2.82E-04	4.34E-05	2.88E-05
23	382008.8	3737501	2.68E-04	4.12E-05	2.74E-05
24	382028.8	3737501	2.55E-04	3.92E-05	2.61E-05
25	382048.8	3737501	2.42E-04	3.74E-05	2.48E-05
26	382068.8	3737501	2.31E-04	3.56E-05	2.37E-05
27	382088.8	3737501	2.21E-04	3.40E-05	2.26E-05
28	382108.8	3737501	2.11E-04	3.25E-05	2.16E-05
29	382128.8	3737501	2.02E-04	3.11E-05	2.07E-05
30	381688.8	3737521	7.30E-04	1.12E-04	7.48E-05
31	381708.8	3737521	6.78E-04	1.05E-04	6.95E-05
32	381728.8	3737521	6.31E-04	9.72E-05	6.46E-05
33	381748.8	3737521	5.87E-04	9.05E-05	6.02E-05
34	381768.8	3737521	5.48E-04	8.44E-05	5.61E-05
35	381788.8	3737521	5.12E-04	7.89E-05	5.24E-05
36	381808.8	3737521	4.79E-04	7.38E-05	4.91E-05
37	381828.8	3737521	4.49E-04	6.92E-05	4.60E-05
38	381848.8	3737521	4.21E-04	6.49E-05	4.31E-05
39	381868.8	3737521	3.96E-04	6.10E-05	4.06E-05
40	381888.8	3737521	3.73E-04	5.75E-05	3.82E-05

41	381908.8	3737521	3.52E-04	5.42E-05	3.60E-05
42	381928.8	3737521	3.32E-04	5.12E-05	3.40E-05
43	381948.8	3737521	3.14E-04	4.84E-05	3.22E-05
44	381968.8	3737521	2.98E-04	4.59E-05	3.05E-05
45	381988.8	3737521	2.83E-04	4.36E-05	2.90E-05
46	382008.8	3737521	2.69E-04	4.14E-05	2.75E-05
47	382028.8	3737521	2.55E-04	3.94E-05	2.62E-05
48	382048.8	3737521	2.43E-04	3.75E-05	2.49E-05
49	382068.8	3737521	2.32E-04	3.58E-05	2.38E-05
50	382088.8	3737521	2.22E-04	3.42E-05	2.27E-05
51	382108.8	3737521	2.12E-04	3.26E-05	2.17E-05
52	382128.8	3737521	2.03E-04	3.12E-05	2.07E-05
53	382148.8	3737521	1.94E-04	2.99E-05	1.99E-05
54	382168.8	3737521	1.86E-04	2.87E-05	1.90E-05
55	382188.8	3737521	1.78E-04	2.75E-05	1.83E-05
56	382208.8	3737521	1.71E-04	2.64E-05	1.75E-05
57	382228.8	3737521	1.64E-04	2.54E-05	1.68E-05
58	382248.8	3737521	1.58E-04	2.44E-05	1.62E-05
59	382268.8	3737521	1.52E-04	2.35E-05	1.56E-05
60	382288.8	3737521	1.47E-04	2.26E-05	1.50E-05
61	382308.8	3737521	1.41E-04	2.18E-05	1.45E-05
62	382328.8	3737521	1.36E-04	2.10E-05	1.40E-05
63	382348.8	3737521	1.32E-04	2.03E-05	1.35E-05
64	382368.8	3737521	1.27E-04	1.96E-05	1.30E-05
65	382388.8	3737521	1.23E-04	1.89E-05	1.26E-05
66	382408.8	3737521	1.19E-04	1.83E-05	1.22E-05
67	382428.8	3737521	1.15E-04	1.77E-05	1.18E-05
68	382448.8	3737521	1.11E-04	1.71E-05	1.14E-05
69	382468.8	3737521	1.08E-04	1.66E-05	1.10E-05
70	382488.8	3737521	1.04E-04	1.61E-05	1.07E-05
71	382508.8	3737521	1.01E-04	1.56E-05	1.04E-05
72	382528.8	3737521	9.82E-05	1.51E-05	1.01E-05
73	382548.8	3737521	9.54E-05	1.47E-05	9.77E-06
74	382588.8	3737521	9.00E-05	1.39E-05	9.22E-06
75	382608.8	3737521	8.75E-05	1.35E-05	8.96E-06
76	382628.8	3737521	8.52E-05	1.31E-05	8.72E-06
77	382648.8	3737521	8.29E-05	1.28E-05	8.49E-06
78	381648.8	3737542	8.36E-04	1.29E-04	8.56E-05
79	381668.8	3737542	7.78E-04	1.20E-04	7.97E-05
80	381688.8	3737542	7.24E-04	1.12E-04	7.42E-05
81	381708.8	3737542	6.74E-04	1.04E-04	6.91E-05
82	381728.8	3737542	6.28E-04	9.68E-05	6.43E-05
83	381748.8	3737542	5.86E-04	9.03E-05	6.00E-05
84	381768.8	3737542	5.47E-04	8.43E-05	5.60E-05
85	381788.8	3737542	5.11E-04	7.88E-05	5.24E-05
86	381808.8	3737542	4.79E-04	7.38E-05	4.90E-05
87	381828.8	3737542	4.49E-04	6.92E-05	4.60E-05

88	381848.8	3737542	4.22E-04	6.50E-05	4.32E-05
89	381868.8	3737542	3.96E-04	6.11E-05	4.06E-05
90	381888.8	3737542	3.74E-04	5.76E-05	3.83E-05
91	381908.8	3737542	3.52E-04	5.43E-05	3.61E-05
92	381928.8	3737542	3.33E-04	5.13E-05	3.41E-05
93	381948.8	3737542	3.15E-04	4.86E-05	3.23E-05
94	381968.8	3737542	2.99E-04	4.61E-05	3.06E-05
95	381988.8	3737542	2.84E-04	4.37E-05	2.91E-05
96	382008.8	3737542	2.70E-04	4.15E-05	2.76E-05
97	382028.8	3737542	2.56E-04	3.95E-05	2.63E-05
98	382048.8	3737542	2.44E-04	3.76E-05	2.50E-05
99	382068.8	3737542	2.33E-04	3.59E-05	2.39E-05
100	382088.8	3737542	2.22E-04	3.43E-05	2.28E-05
101	382108.8	3737542	2.13E-04	3.28E-05	2.18E-05
102	382128.8	3737542	2.03E-04	3.14E-05	2.08E-05
103	382148.8	3737542	1.95E-04	3.00E-05	2.00E-05
104	382168.8	3737542	1.87E-04	2.88E-05	1.91E-05
105	382188.8	3737542	1.79E-04	2.76E-05	1.84E-05
106	382208.8	3737542	1.72E-04	2.65E-05	1.76E-05
107	382228.8	3737542	1.65E-04	2.55E-05	1.69E-05
108	382248.8	3737542	1.59E-04	2.45E-05	1.63E-05
109	382268.8	3737542	1.53E-04	2.36E-05	1.57E-05
110	382288.8	3737542	1.47E-04	2.27E-05	1.51E-05
111	382308.8	3737542	1.42E-04	2.19E-05	1.45E-05
112	382328.8	3737542	1.37E-04	2.11E-05	1.40E-05
113	382348.8	3737542	1.32E-04	2.04E-05	1.35E-05
114	382368.8	3737542	1.28E-04	1.97E-05	1.31E-05
115	382388.8	3737542	1.23E-04	1.90E-05	1.26E-05
116	382408.8	3737542	1.19E-04	1.84E-05	1.22E-05
117	382428.8	3737542	1.15E-04	1.78E-05	1.18E-05
118	382448.8	3737542	1.12E-04	1.72E-05	1.14E-05
119	382468.8	3737542	1.08E-04	1.67E-05	1.11E-05
120	382488.8	3737542	1.05E-04	1.61E-05	1.07E-05
121	382508.8	3737542	1.02E-04	1.57E-05	1.04E-05
122	382528.8	3737542	9.86E-05	1.52E-05	1.01E-05
123	382548.8	3737542	9.57E-05	1.48E-05	9.80E-06
124	382568.8	3737542	9.29E-05	1.43E-05	9.52E-06
125	382588.8	3737542	9.03E-05	1.39E-05	9.25E-06
126	382608.8	3737542	8.79E-05	1.35E-05	9.00E-06
127	382628.8	3737542	8.54E-05	1.32E-05	8.75E-06
128	382648.8	3737542	8.32E-05	1.28E-05	8.52E-06
129	381628.8	3737562	8.85E-04	1.36E-04	9.07E-05
130	381648.8	3737562	8.26E-04	1.27E-04	8.46E-05
131	381668.8	3737562	7.70E-04	1.19E-04	7.89E-05
132	381688.8	3737562	7.18E-04	1.11E-04	7.36E-05
133	381708.8	3737562	6.70E-04	1.03E-04	6.86E-05
134	381728.8	3737562	6.25E-04	9.63E-05	6.40E-05

135	381748.8	3737562	5.83E-04	8.99E-05	5.97E-05
136	381768.8	3737562	5.45E-04	8.40E-05	5.58E-05
137	381788.8	3737562	5.10E-04	7.86E-05	5.23E-05
138	381808.8	3737562	4.78E-04	7.37E-05	4.90E-05
139	381828.8	3737562	4.49E-04	6.92E-05	4.60E-05
140	381848.8	3737562	4.22E-04	6.50E-05	4.32E-05
141	381868.8	3737562	3.97E-04	6.12E-05	4.06E-05
142	381888.8	3737562	3.74E-04	5.77E-05	3.83E-05
143	381908.8	3737562	3.53E-04	5.44E-05	3.62E-05
144	381928.8	3737562	3.34E-04	5.15E-05	3.42E-05
145	381948.8	3737562	3.16E-04	4.87E-05	3.24E-05
146	381968.8	3737562	3.00E-04	4.62E-05	3.07E-05
147	381988.8	3737562	2.84E-04	4.38E-05	2.91E-05
148	382008.8	3737562	2.70E-04	4.17E-05	2.77E-05
149	382028.8	3737562	2.57E-04	3.97E-05	2.64E-05
150	382048.8	3737562	2.45E-04	3.78E-05	2.51E-05
151	382068.8	3737562	2.34E-04	3.60E-05	2.39E-05
152	382088.8	3737562	2.23E-04	3.44E-05	2.29E-05
153	382108.8	3737562	2.13E-04	3.29E-05	2.19E-05
154	382128.8	3737562	2.04E-04	3.15E-05	2.09E-05
155	382148.8	3737562	1.96E-04	3.02E-05	2.00E-05
156	382168.8	3737562	1.88E-04	2.89E-05	1.92E-05
157	382188.8	3737562	1.80E-04	2.77E-05	1.84E-05
158	382208.8	3737562	1.73E-04	2.66E-05	1.77E-05
159	382228.8	3737562	1.66E-04	2.56E-05	1.70E-05
160	382248.8	3737562	1.60E-04	2.46E-05	1.64E-05
161	382268.8	3737562	1.54E-04	2.37E-05	1.57E-05
162	382288.8	3737562	1.48E-04	2.28E-05	1.52E-05
163	382308.8	3737562	1.43E-04	2.20E-05	1.46E-05
164	382328.8	3737562	1.38E-04	2.12E-05	1.41E-05
165	382348.8	3737562	1.33E-04	2.05E-05	1.36E-05
166	382368.8	3737562	1.28E-04	1.98E-05	1.31E-05
167	382388.8	3737562	1.24E-04	1.91E-05	1.27E-05
168	382408.8	3737562	1.20E-04	1.85E-05	1.23E-05
169	382428.8	3737562	1.16E-04	1.79E-05	1.19E-05
170	382448.8	3737562	1.12E-04	1.73E-05	1.15E-05
171	382468.8	3737562	1.09E-04	1.68E-05	1.11E-05
172	382488.8	3737562	1.05E-04	1.62E-05	1.08E-05
173	382508.8	3737562	1.02E-04	1.57E-05	1.05E-05
174	382528.8	3737562	9.90E-05	1.53E-05	1.01E-05
175	382548.8	3737562	9.61E-05	1.48E-05	9.85E-06
176	382568.8	3737562	9.34E-05	1.44E-05	9.56E-06
177	382588.8	3737562	9.07E-05	1.40E-05	9.29E-06
178	382608.8	3737562	8.82E-05	1.36E-05	9.04E-06
179	382628.8	3737562	8.58E-05	1.32E-05	8.79E-06
180	382648.8	3737562	8.35E-05	1.29E-05	8.55E-06
181	381628.8	3737582	8.72E-04	1.34E-04	8.93E-05

182	381648.8	3737582	8.16E-04	1.26E-04	8.35E-05
183	381668.8	3737582	7.62E-04	1.17E-04	7.80E-05
184	381688.8	3737582	7.12E-04	1.10E-04	7.29E-05
185	381708.8	3737582	6.65E-04	1.02E-04	6.81E-05
186	381728.8	3737582	6.21E-04	9.57E-05	6.36E-05
187	381748.8	3737582	5.81E-04	8.95E-05	5.95E-05
188	381768.8	3737582	5.43E-04	8.37E-05	5.57E-05
189	381788.8	3737582	5.09E-04	7.84E-05	5.21E-05
190	381808.8	3737582	4.78E-04	7.36E-05	4.89E-05
191	381828.8	3737582	4.48E-04	6.91E-05	4.59E-05
192	381848.8	3737582	4.22E-04	6.50E-05	4.32E-05
193	381868.8	3737582	3.97E-04	6.12E-05	4.07E-05
194	381888.8	3737582	3.74E-04	5.77E-05	3.84E-05
195	381908.8	3737582	3.54E-04	5.45E-05	3.62E-05
196	381928.8	3737582	3.35E-04	5.16E-05	3.43E-05
197	381948.8	3737582	3.17E-04	4.88E-05	3.25E-05
198	381968.8	3737582	3.00E-04	4.63E-05	3.08E-05
199	381988.8	3737582	2.85E-04	4.40E-05	2.92E-05
200	382008.8	3737582	2.71E-04	4.18E-05	2.78E-05
201	382028.8	3737582	2.58E-04	3.98E-05	2.64E-05
202	382048.8	3737582	2.46E-04	3.79E-05	2.52E-05
203	382068.8	3737582	2.34E-04	3.61E-05	2.40E-05
204	382088.8	3737582	2.24E-04	3.45E-05	2.29E-05
205	382108.8	3737582	2.14E-04	3.30E-05	2.19E-05
206	382128.8	3737582	2.05E-04	3.16E-05	2.10E-05
207	382148.8	3737582	1.96E-04	3.03E-05	2.01E-05
208	382168.8	3737582	1.88E-04	2.90E-05	1.93E-05
209	382188.8	3737582	1.81E-04	2.79E-05	1.85E-05
210	382208.8	3737582	1.74E-04	2.68E-05	1.78E-05
211	382228.8	3737582	1.67E-04	2.57E-05	1.71E-05
212	382248.8	3737582	1.60E-04	2.47E-05	1.64E-05
213	382268.8	3737582	1.54E-04	2.38E-05	1.58E-05
214	382288.8	3737582	1.49E-04	2.29E-05	1.52E-05
215	382308.8	3737582	1.43E-04	2.21E-05	1.47E-05
216	382328.8	3737582	1.38E-04	2.13E-05	1.42E-05
217	382348.8	3737582	1.33E-04	2.06E-05	1.37E-05
218	382368.8	3737582	1.29E-04	1.99E-05	1.32E-05
219	382388.8	3737582	1.25E-04	1.92E-05	1.28E-05
220	382408.8	3737582	1.20E-04	1.86E-05	1.23E-05
221	382428.8	3737582	1.17E-04	1.80E-05	1.19E-05
222	382448.8	3737582	1.13E-04	1.74E-05	1.16E-05
223	382468.8	3737582	1.09E-04	1.68E-05	1.12E-05
224	382488.8	3737582	1.06E-04	1.63E-05	1.08E-05
225	382508.8	3737582	1.03E-04	1.58E-05	1.05E-05
226	382528.8	3737582	9.95E-05	1.53E-05	1.02E-05
227	382548.8	3737582	9.65E-05	1.49E-05	9.88E-06
228	382568.8	3737582	9.38E-05	1.45E-05	9.61E-06

229	382588.8	3737582	9.11E-05	1.40E-05	9.33E-06
230	382608.8	3737582	8.86E-05	1.37E-05	9.07E-06
231	382628.8	3737582	8.61E-05	1.33E-05	8.82E-06
232	382648.8	3737582	8.38E-05	1.29E-05	8.58E-06
233	381628.8	3737603	8.58E-04	1.32E-04	8.79E-05
234	381648.8	3737603	8.04E-04	1.24E-04	8.24E-05
235	381668.8	3737603	7.53E-04	1.16E-04	7.71E-05
236	381688.8	3737603	7.05E-04	1.09E-04	7.22E-05
237	381708.8	3737603	6.59E-04	1.02E-04	6.75E-05
238	381728.8	3737603	6.17E-04	9.51E-05	6.32E-05
239	381748.8	3737603	5.78E-04	8.90E-05	5.92E-05
240	381768.8	3737603	5.41E-04	8.34E-05	5.54E-05
241	381788.8	3737603	5.08E-04	7.82E-05	5.20E-05
242	381808.8	3737603	4.77E-04	7.35E-05	4.88E-05
243	381828.8	3737603	4.48E-04	6.91E-05	4.59E-05
244	381848.8	3737603	4.22E-04	6.50E-05	4.32E-05
245	381868.8	3737603	3.97E-04	6.12E-05	4.07E-05
246	381888.8	3737603	3.75E-04	5.78E-05	3.84E-05
247	381908.8	3737603	3.54E-04	5.46E-05	3.63E-05
248	381928.8	3737603	3.35E-04	5.17E-05	3.43E-05
249	381948.8	3737603	3.17E-04	4.89E-05	3.25E-05
250	381968.8	3737603	3.01E-04	4.64E-05	3.08E-05
251	381988.8	3737603	2.86E-04	4.41E-05	2.93E-05
252	382008.8	3737603	2.72E-04	4.19E-05	2.79E-05
253	382028.8	3737603	2.59E-04	3.99E-05	2.65E-05
254	382048.8	3737603	2.47E-04	3.80E-05	2.53E-05
255	382068.8	3737603	2.35E-04	3.63E-05	2.41E-05
256	382088.8	3737603	2.25E-04	3.46E-05	2.30E-05
257	382108.8	3737603	2.15E-04	3.31E-05	2.20E-05
258	382128.8	3737603	2.06E-04	3.17E-05	2.11E-05
259	382148.8	3737603	1.97E-04	3.04E-05	2.02E-05
260	382168.8	3737603	1.89E-04	2.92E-05	1.94E-05
261	382188.8	3737603	1.82E-04	2.80E-05	1.86E-05
262	382208.8	3737603	1.74E-04	2.69E-05	1.79E-05
263	382228.8	3737603	1.68E-04	2.58E-05	1.72E-05
264	382248.8	3737603	1.61E-04	2.48E-05	1.65E-05
265	382268.8	3737603	1.55E-04	2.39E-05	1.59E-05
266	382288.8	3737603	1.49E-04	2.30E-05	1.53E-05
267	382308.8	3737603	1.44E-04	2.22E-05	1.48E-05
268	382328.8	3737603	1.39E-04	2.14E-05	1.42E-05
269	382348.8	3737603	1.34E-04	2.07E-05	1.37E-05
270	382368.8	3737603	1.30E-04	2.00E-05	1.33E-05
271	382388.8	3737603	1.25E-04	1.93E-05	1.28E-05
272	382408.8	3737603	1.21E-04	1.86E-05	1.24E-05
273	382428.8	3737603	1.17E-04	1.80E-05	1.20E-05
274	382448.8	3737603	1.13E-04	1.75E-05	1.16E-05
275	382468.8	3737603	1.10E-04	1.69E-05	1.12E-05

276	382488.8	3737603	1.06E-04	1.64E-05	1.09E-05
277	382508.8	3737603	1.03E-04	1.59E-05	1.06E-05
278	382528.8	3737603	1.00E-04	1.54E-05	1.02E-05
279	382548.8	3737603	9.71E-05	1.50E-05	9.95E-06
280	382568.8	3737603	9.42E-05	1.45E-05	9.65E-06
281	382588.8	3737603	9.15E-05	1.41E-05	9.37E-06
282	382608.8	3737603	8.90E-05	1.37E-05	9.12E-06
283	382628.8	3737603	8.66E-05	1.33E-05	8.87E-06
284	382648.8	3737603	8.42E-05	1.30E-05	8.62E-06
285	381628.8	3737623	8.44E-04	1.30E-04	8.65E-05
286	381648.8	3737623	7.93E-04	1.22E-04	8.12E-05
287	381668.8	3737623	7.44E-04	1.15E-04	7.62E-05
288	381688.8	3737623	6.97E-04	1.07E-04	7.14E-05
289	381708.8	3737623	6.54E-04	1.01E-04	6.69E-05
290	381728.8	3737623	6.12E-04	9.44E-05	6.27E-05
291	381748.8	3737623	5.74E-04	8.85E-05	5.88E-05
292	381768.8	3737623	5.39E-04	8.30E-05	5.52E-05
293	381788.8	3737623	5.06E-04	7.80E-05	5.18E-05
294	381808.8	3737623	4.76E-04	7.33E-05	4.87E-05
295	381828.8	3737623	4.48E-04	6.90E-05	4.58E-05
296	381848.8	3737623	4.21E-04	6.50E-05	4.32E-05
297	381868.8	3737623	3.97E-04	6.12E-05	4.07E-05
298	381888.8	3737623	3.75E-04	5.78E-05	3.84E-05
299	381908.8	3737623	3.55E-04	5.46E-05	3.63E-05
300	381928.8	3737623	3.36E-04	5.17E-05	3.44E-05
301	381948.8	3737623	3.18E-04	4.90E-05	3.26E-05
302	381968.8	3737623	3.02E-04	4.65E-05	3.09E-05
303	381988.8	3737623	2.87E-04	4.42E-05	2.94E-05
304	382008.8	3737623	2.73E-04	4.20E-05	2.79E-05
305	382028.8	3737623	2.60E-04	4.00E-05	2.66E-05
306	382048.8	3737623	2.47E-04	3.81E-05	2.53E-05
307	382068.8	3737623	2.36E-04	3.64E-05	2.42E-05
308	382088.8	3737623	2.26E-04	3.48E-05	2.31E-05
309	382108.8	3737623	2.16E-04	3.33E-05	2.21E-05
310	382128.8	3737623	2.07E-04	3.18E-05	2.12E-05
311	382148.8	3737623	1.98E-04	3.05E-05	2.03E-05
312	382168.8	3737623	1.90E-04	2.93E-05	1.94E-05
313	382188.8	3737623	1.82E-04	2.81E-05	1.87E-05
314	382208.8	3737623	1.75E-04	2.70E-05	1.79E-05
315	382228.8	3737623	1.68E-04	2.59E-05	1.72E-05
316	382248.8	3737623	1.62E-04	2.50E-05	1.66E-05
317	382268.8	3737623	1.56E-04	2.40E-05	1.60E-05
318	382288.8	3737623	1.50E-04	2.31E-05	1.54E-05
319	382308.8	3737623	1.45E-04	2.23E-05	1.48E-05
320	382328.8	3737623	1.40E-04	2.15E-05	1.43E-05
321	382348.8	3737623	1.35E-04	2.08E-05	1.38E-05
322	382368.8	3737623	1.30E-04	2.01E-05	1.33E-05

323	382388.8	3737623	1.26E-04	1.94E-05	1.29E-05
324	382408.8	3737623	1.22E-04	1.88E-05	1.25E-05
325	382428.8	3737623	1.18E-04	1.81E-05	1.21E-05
326	382448.8	3737623	1.14E-04	1.76E-05	1.17E-05
327	382468.8	3737623	1.10E-04	1.70E-05	1.13E-05
328	382488.8	3737623	1.07E-04	1.65E-05	1.10E-05
329	382508.8	3737623	1.04E-04	1.60E-05	1.06E-05
330	382528.8	3737623	1.01E-04	1.55E-05	1.03E-05
331	382548.8	3737623	9.75E-05	1.50E-05	9.99E-06
332	382568.8	3737623	9.48E-05	1.46E-05	9.71E-06
333	382588.8	3737623	9.21E-05	1.42E-05	9.43E-06
334	382608.8	3737623	8.94E-05	1.38E-05	9.16E-06
335	382628.8	3737623	8.69E-05	1.34E-05	8.90E-06
336	382648.8	3737623	8.46E-05	1.30E-05	8.66E-06
337	381628.8	3737643	8.30E-04	1.28E-04	8.50E-05
338	381648.8	3737643	7.81E-04	1.20E-04	8.00E-05
339	381668.8	3737643	7.34E-04	1.13E-04	7.52E-05
340	381688.8	3737643	6.90E-04	1.06E-04	7.07E-05
341	381708.8	3737643	6.47E-04	9.98E-05	6.63E-05
342	381728.8	3737643	6.07E-04	9.36E-05	6.22E-05
343	381748.8	3737643	5.70E-04	8.79E-05	5.84E-05
344	381768.8	3737643	5.36E-04	8.26E-05	5.49E-05
345	381788.8	3737643	5.04E-04	7.77E-05	5.17E-05
346	381808.8	3737643	4.75E-04	7.31E-05	4.86E-05
347	381828.8	3737643	4.47E-04	6.89E-05	4.58E-05
348	381848.8	3737643	4.21E-04	6.49E-05	4.31E-05
349	381868.8	3737643	3.97E-04	6.12E-05	4.07E-05
350	381888.8	3737643	3.75E-04	5.78E-05	3.84E-05
351	381908.8	3737643	3.55E-04	5.47E-05	3.63E-05
352	381928.8	3737643	3.36E-04	5.18E-05	3.44E-05
353	381948.8	3737643	3.18E-04	4.91E-05	3.26E-05
354	381968.8	3737643	3.02E-04	4.66E-05	3.09E-05
355	381988.8	3737643	2.87E-04	4.43E-05	2.94E-05
356	382008.8	3737643	2.73E-04	4.21E-05	2.80E-05
357	382028.8	3737643	2.60E-04	4.01E-05	2.66E-05
358	382048.8	3737643	2.48E-04	3.82E-05	2.54E-05
359	382068.8	3737643	2.37E-04	3.65E-05	2.43E-05
360	382088.8	3737643	2.26E-04	3.49E-05	2.32E-05
361	382108.8	3737643	2.17E-04	3.34E-05	2.22E-05
362	382128.8	3737643	2.07E-04	3.19E-05	2.12E-05
363	382148.8	3737643	1.99E-04	3.06E-05	2.03E-05
364	382168.8	3737643	1.91E-04	2.94E-05	1.95E-05
365	382188.8	3737643	1.83E-04	2.82E-05	1.87E-05
366	382208.8	3737643	1.76E-04	2.71E-05	1.80E-05
367	382228.8	3737643	1.69E-04	2.61E-05	1.73E-05
368	382248.8	3737643	1.63E-04	2.51E-05	1.67E-05
369	382268.8	3737643	1.57E-04	2.41E-05	1.60E-05

370	382288.8	3737643	1.51E-04	2.33E-05	1.55E-05
371	382308.8	3737643	1.45E-04	2.24E-05	1.49E-05
372	382328.8	3737643	1.40E-04	2.16E-05	1.44E-05
373	382348.8	3737643	1.35E-04	2.09E-05	1.39E-05
374	382368.8	3737643	1.31E-04	2.02E-05	1.34E-05
375	382388.8	3737643	1.26E-04	1.95E-05	1.30E-05
376	382408.8	3737643	1.22E-04	1.88E-05	1.25E-05
377	382428.8	3737643	1.18E-04	1.82E-05	1.21E-05
378	382448.8	3737643	1.15E-04	1.77E-05	1.17E-05
379	382468.8	3737643	1.11E-04	1.71E-05	1.14E-05
380	382488.8	3737643	1.07E-04	1.66E-05	1.10E-05
381	382508.8	3737643	1.04E-04	1.61E-05	1.07E-05
382	382528.8	3737643	1.01E-04	1.56E-05	1.04E-05
383	382548.8	3737643	9.81E-05	1.51E-05	1.00E-05
384	382568.8	3737643	9.52E-05	1.47E-05	9.75E-06
385	382588.8	3737643	9.23E-05	1.42E-05	9.46E-06
386	382608.8	3737643	8.99E-05	1.39E-05	9.21E-06
387	382628.8	3737643	8.73E-05	1.35E-05	8.95E-06
388	382648.8	3737643	8.50E-05	1.31E-05	8.71E-06
389	381628.8	3737664	8.15E-04	1.26E-04	8.35E-05
390	381648.8	3737664	7.69E-04	1.18E-04	7.87E-05
391	381668.8	3737664	7.24E-04	1.12E-04	7.42E-05
392	381688.8	3737664	6.82E-04	1.05E-04	6.98E-05
393	381708.8	3737664	6.41E-04	9.88E-05	6.57E-05
394	381728.8	3737664	6.03E-04	9.29E-05	6.17E-05
395	381748.8	3737664	5.67E-04	8.74E-05	5.81E-05
396	381768.8	3737664	5.33E-04	8.22E-05	5.46E-05
397	381788.8	3737664	5.02E-04	7.74E-05	5.14E-05
398	381808.8	3737664	4.73E-04	7.29E-05	4.85E-05
399	381828.8	3737664	4.46E-04	6.87E-05	4.57E-05
400	381848.8	3737664	4.20E-04	6.48E-05	4.31E-05
401	381868.8	3737664	3.97E-04	6.12E-05	4.06E-05
402	381888.8	3737664	3.75E-04	5.78E-05	3.84E-05
403	381908.8	3737664	3.55E-04	5.47E-05	3.63E-05
404	381928.8	3737664	3.36E-04	5.18E-05	3.44E-05
405	381948.8	3737664	3.19E-04	4.91E-05	3.26E-05
406	381968.8	3737664	3.02E-04	4.66E-05	3.10E-05
407	381988.8	3737664	2.87E-04	4.43E-05	2.94E-05
408	382008.8	3737664	2.73E-04	4.21E-05	2.80E-05
409	382028.8	3737664	2.61E-04	4.02E-05	2.67E-05
410	382048.8	3737664	2.49E-04	3.83E-05	2.55E-05
411	382068.8	3737664	2.37E-04	3.66E-05	2.43E-05
412	382088.8	3737664	2.27E-04	3.50E-05	2.32E-05
413	382108.8	3737664	2.17E-04	3.35E-05	2.22E-05
414	382128.8	3737664	2.08E-04	3.20E-05	2.13E-05
415	382148.8	3737664	1.99E-04	3.07E-05	2.04E-05
416	382168.8	3737664	1.91E-04	2.95E-05	1.96E-05

417	382188.8	3737664	1.84E-04	2.83E-05	1.88E-05
418	382208.8	3737664	1.76E-04	2.72E-05	1.81E-05
419	382228.8	3737664	1.70E-04	2.61E-05	1.74E-05
420	382248.8	3737664	1.63E-04	2.52E-05	1.67E-05
421	382268.8	3737664	1.57E-04	2.42E-05	1.61E-05
422	382288.8	3737664	1.52E-04	2.34E-05	1.55E-05
423	382308.8	3737664	1.46E-04	2.25E-05	1.50E-05
424	382328.8	3737664	1.41E-04	2.17E-05	1.44E-05
425	382348.8	3737664	1.36E-04	2.10E-05	1.39E-05
426	382368.8	3737664	1.31E-04	2.03E-05	1.35E-05
427	382388.8	3737664	1.27E-04	1.96E-05	1.30E-05
428	382408.8	3737664	1.23E-04	1.89E-05	1.26E-05
429	382428.8	3737664	1.19E-04	1.83E-05	1.22E-05
430	382448.8	3737664	1.15E-04	1.77E-05	1.18E-05
431	382468.8	3737664	1.11E-04	1.72E-05	1.14E-05
432	382488.8	3737664	1.08E-04	1.67E-05	1.11E-05
433	382508.8	3737664	1.05E-04	1.61E-05	1.07E-05
434	382528.8	3737664	1.02E-04	1.57E-05	1.04E-05
435	382548.8	3737664	9.86E-05	1.52E-05	1.01E-05
436	382568.8	3737664	9.57E-05	1.48E-05	9.80E-06
437	382588.8	3737664	9.30E-05	1.43E-05	9.53E-06
438	382608.8	3737664	9.03E-05	1.39E-05	9.25E-06
439	382628.8	3737664	8.79E-05	1.35E-05	9.00E-06
440	382648.8	3737664	8.54E-05	1.32E-05	8.75E-06
441	381628.8	3737684	8.00E-04	1.23E-04	8.20E-05
442	381648.8	3737684	7.57E-04	1.17E-04	7.75E-05
443	381668.8	3737684	7.14E-04	1.10E-04	7.32E-05
444	381688.8	3737684	6.74E-04	1.04E-04	6.90E-05
445	381708.8	3737684	6.35E-04	9.78E-05	6.50E-05
446	381728.8	3737684	5.98E-04	9.21E-05	6.12E-05
447	381748.8	3737684	5.63E-04	8.68E-05	5.77E-05
448	381768.8	3737684	5.31E-04	8.18E-05	5.43E-05
449	381788.8	3737684	5.00E-04	7.71E-05	5.12E-05
450	381808.8	3737684	4.71E-04	7.26E-05	4.83E-05
451	381828.8	3737684	4.44E-04	6.85E-05	4.55E-05
452	381848.8	3737684	4.19E-04	6.46E-05	4.30E-05
453	381868.8	3737684	3.96E-04	6.11E-05	4.06E-05
454	381888.8	3737684	3.75E-04	5.78E-05	3.84E-05
455	381908.8	3737684	3.55E-04	5.47E-05	3.63E-05
456	381928.8	3737684	3.36E-04	5.18E-05	3.44E-05
457	381948.8	3737684	3.19E-04	4.91E-05	3.27E-05
458	381968.8	3737684	3.03E-04	4.66E-05	3.10E-05
459	381988.8	3737684	2.88E-04	4.43E-05	2.95E-05
460	382008.8	3737684	2.74E-04	4.22E-05	2.81E-05
461	382028.8	3737684	2.61E-04	4.02E-05	2.67E-05
462	382048.8	3737684	2.49E-04	3.84E-05	2.55E-05
463	382068.8	3737684	2.38E-04	3.67E-05	2.44E-05

464	382088.8	3737684	2.28E-04	3.51E-05	2.33E-05
465	382108.8	3737684	2.18E-04	3.36E-05	2.23E-05
466	382128.8	3737684	2.09E-04	3.21E-05	2.14E-05
467	382148.8	3737684	2.00E-04	3.08E-05	2.05E-05
468	382168.8	3737684	1.92E-04	2.96E-05	1.96E-05
469	382188.8	3737684	1.84E-04	2.84E-05	1.89E-05
470	382208.8	3737684	1.77E-04	2.73E-05	1.81E-05
471	382228.8	3737684	1.70E-04	2.63E-05	1.74E-05
472	382248.8	3737684	1.64E-04	2.53E-05	1.68E-05
473	382268.8	3737684	1.58E-04	2.43E-05	1.62E-05
474	382288.8	3737684	1.52E-04	2.34E-05	1.56E-05
475	382308.8	3737684	1.47E-04	2.26E-05	1.50E-05
476	382328.8	3737684	1.42E-04	2.18E-05	1.45E-05
477	382348.8	3737684	1.37E-04	2.11E-05	1.40E-05
478	382368.8	3737684	1.32E-04	2.04E-05	1.35E-05
479	382388.8	3737684	1.28E-04	1.97E-05	1.31E-05
480	382408.8	3737684	1.24E-04	1.90E-05	1.27E-05
481	382428.8	3737684	1.20E-04	1.84E-05	1.22E-05
482	382448.8	3737684	1.16E-04	1.78E-05	1.18E-05
483	382468.8	3737684	1.12E-04	1.73E-05	1.15E-05
484	382488.8	3737684	1.09E-04	1.67E-05	1.11E-05
485	382508.8	3737684	1.05E-04	1.62E-05	1.08E-05
486	382528.8	3737684	1.02E-04	1.57E-05	1.05E-05
487	382548.8	3737684	9.91E-05	1.53E-05	1.02E-05
488	382568.8	3737684	9.62E-05	1.48E-05	9.86E-06
489	382588.8	3737684	9.34E-05	1.44E-05	9.57E-06
490	382608.8	3737684	9.08E-05	1.40E-05	9.30E-06
491	382628.8	3737684	8.83E-05	1.36E-05	9.04E-06
492	382648.8	3737684	8.59E-05	1.32E-05	8.79E-06
493	381628.8	3737704	7.86E-04	1.21E-04	8.05E-05
494	381648.8	3737704	7.45E-04	1.15E-04	7.63E-05
495	381668.8	3737704	7.04E-04	1.09E-04	7.21E-05
496	381688.8	3737704	6.65E-04	1.03E-04	6.81E-05
497	381708.8	3737704	6.28E-04	9.68E-05	6.43E-05
498	381728.8	3737704	5.92E-04	9.13E-05	6.07E-05
499	381748.8	3737704	5.59E-04	8.61E-05	5.72E-05
500	381768.8	3737704	5.27E-04	8.12E-05	5.40E-05
501	381788.8	3737704	4.97E-04	7.66E-05	5.09E-05
502	381808.8	3737704	4.69E-04	7.23E-05	4.81E-05
503	381828.8	3737704	4.43E-04	6.83E-05	4.54E-05
504	381848.8	3737704	4.18E-04	6.45E-05	4.29E-05
505	381868.8	3737704	3.96E-04	6.10E-05	4.05E-05
506	381888.8	3737704	3.74E-04	5.77E-05	3.83E-05
507	381908.8	3737704	3.55E-04	5.46E-05	3.63E-05
508	381928.8	3737704	3.36E-04	5.18E-05	3.44E-05
509	381948.8	3737704	3.19E-04	4.91E-05	3.27E-05
510	381968.8	3737704	3.03E-04	4.67E-05	3.10E-05

511	381988.8	3737704	2.88E-04	4.44E-05	2.95E-05
512	382008.8	3737704	2.74E-04	4.23E-05	2.81E-05
513	382028.8	3737704	2.62E-04	4.03E-05	2.68E-05
514	382048.8	3737704	2.50E-04	3.85E-05	2.56E-05
515	382068.8	3737704	2.39E-04	3.68E-05	2.44E-05
516	382088.8	3737704	2.28E-04	3.51E-05	2.34E-05
517	382108.8	3737704	2.18E-04	3.36E-05	2.24E-05
518	382128.8	3737704	2.09E-04	3.22E-05	2.14E-05
519	382148.8	3737704	2.00E-04	3.09E-05	2.05E-05
520	382168.8	3737704	1.92E-04	2.97E-05	1.97E-05
521	382188.8	3737704	1.85E-04	2.85E-05	1.89E-05
522	382208.8	3737704	1.78E-04	2.74E-05	1.82E-05
523	382228.8	3737704	1.71E-04	2.63E-05	1.75E-05
524	382248.8	3737704	1.64E-04	2.54E-05	1.68E-05
525	382268.8	3737704	1.58E-04	2.44E-05	1.62E-05
526	382288.8	3737704	1.53E-04	2.35E-05	1.56E-05
527	382308.8	3737704	1.47E-04	2.27E-05	1.51E-05
528	382328.8	3737704	1.42E-04	2.19E-05	1.46E-05
529	382348.8	3737704	1.37E-04	2.12E-05	1.41E-05
530	382368.8	3737704	1.33E-04	2.04E-05	1.36E-05
531	382388.8	3737704	1.28E-04	1.98E-05	1.31E-05
532	382408.8	3737704	1.24E-04	1.91E-05	1.27E-05
533	382428.8	3737704	1.20E-04	1.85E-05	1.23E-05
534	382448.8	3737704	1.16E-04	1.79E-05	1.19E-05
535	382468.8	3737704	1.13E-04	1.74E-05	1.15E-05
536	382488.8	3737704	1.09E-04	1.68E-05	1.12E-05
537	382508.8	3737704	1.06E-04	1.63E-05	1.08E-05
538	382528.8	3737704	1.03E-04	1.58E-05	1.05E-05
539	382548.8	3737704	9.96E-05	1.54E-05	1.02E-05
540	382568.8	3737704	9.68E-05	1.49E-05	9.91E-06
541	382588.8	3737704	9.40E-05	1.45E-05	9.62E-06
542	382608.8	3737704	9.13E-05	1.41E-05	9.35E-06
543	382628.8	3737704	8.87E-05	1.37E-05	9.09E-06
544	382648.8	3737704	8.63E-05	1.33E-05	8.84E-06
545	381628.8	3737724	7.69E-04	1.19E-04	7.88E-05
546	381648.8	3737724	7.32E-04	1.13E-04	7.50E-05
547	381668.8	3737724	6.94E-04	1.07E-04	7.11E-05
548	381688.8	3737724	6.57E-04	1.01E-04	6.73E-05
549	381708.8	3737724	6.21E-04	9.57E-05	6.36E-05
550	381728.8	3737724	5.87E-04	9.04E-05	6.01E-05
551	381748.8	3737724	5.54E-04	8.54E-05	5.68E-05
552	381768.8	3737724	5.23E-04	8.07E-05	5.36E-05
553	381788.8	3737724	4.94E-04	7.62E-05	5.06E-05
554	381808.8	3737724	4.67E-04	7.19E-05	4.78E-05
555	381828.8	3737724	4.41E-04	6.80E-05	4.52E-05
556	381848.8	3737724	4.17E-04	6.43E-05	4.27E-05
557	381868.8	3737724	3.95E-04	6.08E-05	4.04E-05

558	381888.8	3737724	3.74E-04	5.76E-05	3.83E-05
559	381908.8	3737724	3.54E-04	5.46E-05	3.63E-05
560	381928.8	3737724	3.36E-04	5.18E-05	3.44E-05
561	381948.8	3737724	3.19E-04	4.91E-05	3.27E-05
562	381968.8	3737724	3.03E-04	4.67E-05	3.10E-05
563	381988.8	3737724	2.88E-04	4.44E-05	2.95E-05
564	382008.8	3737724	2.75E-04	4.23E-05	2.81E-05
565	382028.8	3737724	2.62E-04	4.04E-05	2.68E-05
566	382048.8	3737724	2.50E-04	3.85E-05	2.56E-05
567	382068.8	3737724	2.39E-04	3.68E-05	2.45E-05
568	382088.8	3737724	2.28E-04	3.52E-05	2.34E-05
569	382108.8	3737724	2.19E-04	3.37E-05	2.24E-05
570	382128.8	3737724	2.10E-04	3.23E-05	2.15E-05
571	382148.8	3737724	2.01E-04	3.10E-05	2.06E-05
572	382168.8	3737724	1.93E-04	2.97E-05	1.97E-05
573	382188.8	3737724	1.85E-04	2.85E-05	1.90E-05
574	382208.8	3737724	1.78E-04	2.74E-05	1.82E-05
575	382228.8	3737724	1.71E-04	2.64E-05	1.76E-05
576	382248.8	3737724	1.65E-04	2.54E-05	1.69E-05
577	382268.8	3737724	1.59E-04	2.45E-05	1.63E-05
578	382288.8	3737724	1.53E-04	2.36E-05	1.57E-05
579	382308.8	3737724	1.48E-04	2.28E-05	1.52E-05
580	382328.8	3737724	1.43E-04	2.20E-05	1.46E-05
581	382348.8	3737724	1.38E-04	2.13E-05	1.41E-05
582	382368.8	3737724	1.33E-04	2.05E-05	1.37E-05
583	382388.8	3737724	1.29E-04	1.99E-05	1.32E-05
584	382408.8	3737724	1.25E-04	1.92E-05	1.28E-05
585	382428.8	3737724	1.21E-04	1.86E-05	1.24E-05
586	382448.8	3737724	1.17E-04	1.80E-05	1.20E-05
587	382468.8	3737724	1.13E-04	1.74E-05	1.16E-05
588	382488.8	3737724	1.10E-04	1.69E-05	1.12E-05
589	382508.8	3737724	1.06E-04	1.64E-05	1.09E-05
590	382528.8	3737724	1.03E-04	1.59E-05	1.06E-05
591	382548.8	3737724	1.00E-04	1.54E-05	1.03E-05
592	382568.8	3737724	9.73E-05	1.50E-05	9.96E-06
593	382588.8	3737724	9.45E-05	1.46E-05	9.68E-06
594	382608.8	3737724	9.18E-05	1.41E-05	9.40E-06
595	382628.8	3737724	8.93E-05	1.38E-05	9.14E-06
596	382648.8	3737724	8.68E-05	1.34E-05	8.89E-06
597	382668.8	3737724	8.45E-05	1.30E-05	8.65E-06
598	382688.8	3737724	8.22E-05	1.27E-05	8.42E-06
599	382708.8	3737724	8.00E-05	1.23E-05	8.20E-06
600	382728.8	3737724	7.79E-05	1.20E-05	7.98E-06
601	382748.8	3737724	7.59E-05	1.17E-05	7.78E-06
602	382808.8	3737724	7.04E-05	1.09E-05	7.21E-06
603	382828.8	3737724	6.87E-05	1.06E-05	7.04E-06
604	382848.8	3737724	6.71E-05	1.03E-05	6.87E-06

605	381628.8	3737745	7.48E-04	1.15E-04	7.67E-05
606	381648.8	3737745	7.14E-04	1.10E-04	7.31E-05
607	381668.8	3737745	6.82E-04	1.05E-04	6.98E-05
608	381688.8	3737745	6.48E-04	9.99E-05	6.64E-05
609	381708.8	3737745	6.14E-04	9.46E-05	6.29E-05
610	381728.8	3737745	5.81E-04	8.95E-05	5.95E-05
611	381748.8	3737745	5.49E-04	8.47E-05	5.63E-05
612	381768.8	3737745	5.19E-04	8.01E-05	5.32E-05
613	381788.8	3737745	4.91E-04	7.57E-05	5.03E-05
614	381808.8	3737745	4.64E-04	7.16E-05	4.76E-05
615	381828.8	3737745	4.39E-04	6.77E-05	4.50E-05
616	381848.8	3737745	4.16E-04	6.40E-05	4.26E-05
617	381868.8	3737745	3.94E-04	6.07E-05	4.03E-05
618	381888.8	3737745	3.73E-04	5.75E-05	3.82E-05
619	381908.8	3737745	3.54E-04	5.45E-05	3.62E-05
620	381928.8	3737745	3.36E-04	5.17E-05	3.44E-05
621	381948.8	3737745	3.19E-04	4.91E-05	3.27E-05
622	381968.8	3737745	3.03E-04	4.67E-05	3.10E-05
623	381988.8	3737745	2.89E-04	4.45E-05	2.96E-05
624	382008.8	3737745	2.75E-04	4.24E-05	2.82E-05
625	382028.8	3737745	2.62E-04	4.04E-05	2.69E-05
626	382048.8	3737745	2.50E-04	3.86E-05	2.57E-05
627	382068.8	3737745	2.39E-04	3.69E-05	2.45E-05
628	382088.8	3737745	2.29E-04	3.53E-05	2.35E-05
629	382108.8	3737745	2.19E-04	3.38E-05	2.24E-05
630	382128.8	3737745	2.10E-04	3.24E-05	2.15E-05
631	382148.8	3737745	2.01E-04	3.10E-05	2.06E-05
632	382168.8	3737745	1.93E-04	2.98E-05	1.98E-05
633	382188.8	3737745	1.86E-04	2.86E-05	1.90E-05
634	382208.8	3737745	1.79E-04	2.75E-05	1.83E-05
635	382228.8	3737745	1.72E-04	2.65E-05	1.76E-05
636	382248.8	3737745	1.66E-04	2.55E-05	1.70E-05
637	382268.8	3737745	1.59E-04	2.46E-05	1.63E-05
638	382288.8	3737745	1.54E-04	2.37E-05	1.57E-05
639	382308.8	3737745	1.48E-04	2.29E-05	1.52E-05
640	382328.8	3737745	1.43E-04	2.21E-05	1.47E-05
641	382348.8	3737745	1.38E-04	2.13E-05	1.42E-05
642	382368.8	3737745	1.34E-04	2.06E-05	1.37E-05
643	382388.8	3737745	1.29E-04	1.99E-05	1.32E-05
644	382408.8	3737745	1.25E-04	1.93E-05	1.28E-05
645	382428.8	3737745	1.21E-04	1.87E-05	1.24E-05
646	382448.8	3737745	1.17E-04	1.81E-05	1.20E-05
647	382468.8	3737745	1.14E-04	1.75E-05	1.16E-05
648	382488.8	3737745	1.10E-04	1.70E-05	1.13E-05
649	382508.8	3737745	1.07E-04	1.65E-05	1.09E-05
650	382528.8	3737745	1.04E-04	1.60E-05	1.06E-05
651	382548.8	3737745	1.01E-04	1.55E-05	1.03E-05

652	382568.8	3737745	9.77E-05	1.51E-05	1.00E-05
653	382588.8	3737745	9.49E-05	1.46E-05	9.72E-06
654	382608.8	3737745	9.23E-05	1.42E-05	9.46E-06
655	382628.8	3737745	8.97E-05	1.38E-05	9.19E-06
656	382648.8	3737745	8.73E-05	1.34E-05	8.94E-06
657	382668.8	3737745	8.49E-05	1.31E-05	8.70E-06
658	382688.8	3737745	8.26E-05	1.27E-05	8.46E-06
659	382708.8	3737745	8.05E-05	1.24E-05	8.24E-06
660	382728.8	3737745	7.84E-05	1.21E-05	8.03E-06
661	382748.8	3737745	7.64E-05	1.18E-05	7.82E-06
662	382768.8	3737745	7.44E-05	1.15E-05	7.62E-06
663	382788.8	3737745	7.26E-05	1.12E-05	7.44E-06
664	382808.8	3737745	7.08E-05	1.09E-05	7.25E-06
665	382828.8	3737745	6.90E-05	1.06E-05	7.07E-06
666	382848.8	3737745	6.75E-05	1.04E-05	6.91E-06
667	381628.8	3737765	7.31E-04	1.13E-04	7.49E-05
668	381648.8	3737765	6.98E-04	1.08E-04	7.15E-05
669	381668.8	3737765	6.68E-04	1.03E-04	6.84E-05
670	381688.8	3737765	6.39E-04	9.85E-05	6.55E-05
671	381708.8	3737765	6.07E-04	9.35E-05	6.21E-05
672	381728.8	3737765	5.75E-04	8.86E-05	5.89E-05
673	381748.8	3737765	5.45E-04	8.39E-05	5.58E-05
674	381768.8	3737765	5.16E-04	7.95E-05	5.28E-05
675	381788.8	3737765	4.88E-04	7.52E-05	5.00E-05
676	381808.8	3737765	4.62E-04	7.12E-05	4.73E-05
677	381828.8	3737765	4.37E-04	6.74E-05	4.48E-05
678	381848.8	3737765	4.14E-04	6.38E-05	4.24E-05
679	381868.8	3737765	3.92E-04	6.05E-05	4.02E-05
680	381888.8	3737765	3.72E-04	5.74E-05	3.81E-05
681	381908.8	3737765	3.53E-04	5.44E-05	3.62E-05
682	381928.8	3737765	3.35E-04	5.17E-05	3.43E-05
683	381948.8	3737765	3.19E-04	4.91E-05	3.26E-05
684	381968.8	3737765	3.03E-04	4.67E-05	3.10E-05
685	381988.8	3737765	2.89E-04	4.45E-05	2.96E-05
686	382008.8	3737765	2.75E-04	4.24E-05	2.82E-05
687	382028.8	3737765	2.62E-04	4.05E-05	2.69E-05
688	382048.8	3737765	2.51E-04	3.86E-05	2.57E-05
689	382068.8	3737765	2.40E-04	3.69E-05	2.45E-05
690	382088.8	3737765	2.29E-04	3.53E-05	2.35E-05
691	382108.8	3737765	2.20E-04	3.39E-05	2.25E-05
692	382128.8	3737765	2.11E-04	3.24E-05	2.16E-05
693	382148.8	3737765	2.02E-04	3.11E-05	2.07E-05
694	382168.8	3737765	1.94E-04	2.99E-05	1.99E-05
695	382188.8	3737765	1.86E-04	2.87E-05	1.91E-05
696	382208.8	3737765	1.79E-04	2.76E-05	1.83E-05
697	382228.8	3737765	1.72E-04	2.66E-05	1.77E-05
698	382248.8	3737765	1.65E-04	2.55E-05	1.69E-05

699	382268.8	3737765	1.59E-04	2.45E-05	1.63E-05
700	382288.8	3737765	1.54E-04	2.37E-05	1.57E-05
701	382308.8	3737765	1.49E-04	2.29E-05	1.52E-05
702	382328.8	3737765	1.44E-04	2.22E-05	1.47E-05
703	382348.8	3737765	1.39E-04	2.14E-05	1.42E-05
704	382368.8	3737765	1.34E-04	2.07E-05	1.38E-05
705	382388.8	3737765	1.30E-04	2.00E-05	1.33E-05
706	382408.8	3737765	1.26E-04	1.94E-05	1.29E-05
707	382428.8	3737765	1.22E-04	1.88E-05	1.25E-05
708	382448.8	3737765	1.18E-04	1.82E-05	1.21E-05
709	382468.8	3737765	1.14E-04	1.76E-05	1.17E-05
710	382488.8	3737765	1.11E-04	1.71E-05	1.13E-05
711	382508.8	3737765	1.07E-04	1.66E-05	1.10E-05
712	382528.8	3737765	1.04E-04	1.61E-05	1.07E-05
713	382548.8	3737765	1.01E-04	1.56E-05	1.04E-05
714	382568.8	3737765	9.82E-05	1.51E-05	1.01E-05
715	382588.8	3737765	9.55E-05	1.47E-05	9.78E-06
716	382608.8	3737765	9.28E-05	1.43E-05	9.50E-06
717	382628.8	3737765	9.01E-05	1.39E-05	9.23E-06
718	382648.8	3737765	8.77E-05	1.35E-05	8.98E-06
719	382668.8	3737765	8.53E-05	1.32E-05	8.74E-06
720	382688.8	3737765	8.31E-05	1.28E-05	8.51E-06
721	382708.8	3737765	8.09E-05	1.25E-05	8.29E-06
722	382728.8	3737765	7.88E-05	1.21E-05	8.07E-06
723	382748.8	3737765	7.68E-05	1.18E-05	7.87E-06
724	382768.8	3737765	7.48E-05	1.15E-05	7.66E-06
725	382788.8	3737765	7.30E-05	1.12E-05	7.47E-06
726	382808.8	3737765	7.11E-05	1.10E-05	7.29E-06
727	382828.8	3737765	6.95E-05	1.07E-05	7.12E-06
728	382848.8	3737765	6.78E-05	1.05E-05	6.95E-06
729	381628.8	3737785	7.23E-04	1.11E-04	7.41E-05
730	381648.8	3737785	6.90E-04	1.06E-04	7.07E-05
731	381668.8	3737785	6.58E-04	1.01E-04	6.74E-05
732	381688.8	3737785	6.29E-04	9.69E-05	6.44E-05
733	381708.8	3737785	5.99E-04	9.24E-05	6.14E-05
734	381728.8	3737785	5.69E-04	8.77E-05	5.83E-05
735	381748.8	3737785	5.40E-04	8.32E-05	5.53E-05
736	381768.8	3737785	5.12E-04	7.88E-05	5.24E-05
737	381788.8	3737785	4.85E-04	7.47E-05	4.96E-05
738	381808.8	3737785	4.59E-04	7.08E-05	4.70E-05
739	381828.8	3737785	4.35E-04	6.71E-05	4.46E-05
740	381848.8	3737785	4.12E-04	6.36E-05	4.22E-05
741	381868.8	3737785	3.91E-04	6.03E-05	4.01E-05
742	381888.8	3737785	3.71E-04	5.72E-05	3.80E-05
743	381908.8	3737785	3.53E-04	5.43E-05	3.61E-05
744	381928.8	3737785	3.35E-04	5.16E-05	3.43E-05
745	381948.8	3737785	3.18E-04	4.91E-05	3.26E-05

746	381968.8	3737785	3.03E-04	4.67E-05	3.10E-05
747	381988.8	3737785	2.89E-04	4.45E-05	2.96E-05
748	382008.8	3737785	2.75E-04	4.24E-05	2.82E-05
749	382028.8	3737785	2.62E-04	4.04E-05	2.68E-05
750	382048.8	3737785	2.50E-04	3.86E-05	2.56E-05
751	382068.8	3737785	2.40E-04	3.70E-05	2.46E-05
752	382088.8	3737785	2.30E-04	3.54E-05	2.35E-05
753	382108.8	3737785	2.20E-04	3.39E-05	2.25E-05
754	382128.8	3737785	2.11E-04	3.25E-05	2.16E-05
755	382148.8	3737785	2.02E-04	3.12E-05	2.07E-05
756	382168.8	3737785	1.94E-04	2.99E-05	1.99E-05
757	382188.8	3737785	1.87E-04	2.88E-05	1.91E-05
758	382208.8	3737785	1.80E-04	2.77E-05	1.84E-05
759	382228.8	3737785	1.72E-04	2.66E-05	1.77E-05
760	382248.8	3737785	1.65E-04	2.55E-05	1.69E-05
761	382268.8	3737785	1.59E-04	2.45E-05	1.63E-05
762	382288.8	3737785	1.54E-04	2.38E-05	1.58E-05
763	382308.8	3737785	1.49E-04	2.30E-05	1.53E-05
764	382328.8	3737785	1.44E-04	2.22E-05	1.48E-05
765	382348.8	3737785	1.39E-04	2.15E-05	1.43E-05
766	382368.8	3737785	1.35E-04	2.08E-05	1.38E-05
767	382388.8	3737785	1.30E-04	2.01E-05	1.33E-05
768	382408.8	3737785	1.26E-04	1.94E-05	1.29E-05
769	382428.8	3737785	1.22E-04	1.88E-05	1.25E-05
770	382448.8	3737785	1.18E-04	1.82E-05	1.21E-05
771	382468.8	3737785	1.14E-04	1.76E-05	1.17E-05
772	382488.8	3737785	1.11E-04	1.71E-05	1.13E-05
773	382508.8	3737785	1.07E-04	1.66E-05	1.10E-05
774	382528.8	3737785	1.05E-04	1.61E-05	1.07E-05
775	382548.8	3737785	1.02E-04	1.57E-05	1.04E-05
776	382568.8	3737785	9.88E-05	1.52E-05	1.01E-05
777	382588.8	3737785	9.59E-05	1.48E-05	9.82E-06
778	382608.8	3737785	9.32E-05	1.44E-05	9.54E-06
779	382628.8	3737785	9.07E-05	1.40E-05	9.29E-06
780	382648.8	3737785	8.81E-05	1.36E-05	9.03E-06
781	382668.8	3737785	8.58E-05	1.32E-05	8.79E-06
782	382688.8	3737785	8.35E-05	1.29E-05	8.55E-06
783	382708.8	3737785	8.13E-05	1.25E-05	8.33E-06
784	382728.8	3737785	7.92E-05	1.22E-05	8.11E-06
785	382748.8	3737785	7.71E-05	1.19E-05	7.90E-06
786	382768.8	3737785	7.52E-05	1.16E-05	7.71E-06
787	381628.8	3737806	7.16E-04	1.10E-04	7.33E-05
788	381648.8	3737806	6.81E-04	1.05E-04	6.98E-05
789	381668.8	3737806	6.49E-04	1.00E-04	6.64E-05
790	381688.8	3737806	6.19E-04	9.55E-05	6.34E-05
791	381708.8	3737806	5.92E-04	9.12E-05	6.06E-05
792	381728.8	3737806	5.63E-04	8.67E-05	5.76E-05

793	381748.8	3737806	5.35E-04	8.24E-05	5.47E-05
794	381768.8	3737806	5.07E-04	7.82E-05	5.20E-05
795	381788.8	3737806	4.81E-04	7.42E-05	4.93E-05
796	381808.8	3737806	4.56E-04	7.03E-05	4.67E-05
797	381828.8	3737806	4.33E-04	6.67E-05	4.43E-05
798	381848.8	3737806	4.11E-04	6.33E-05	4.21E-05
799	381868.8	3737806	3.90E-04	6.01E-05	3.99E-05
800	381888.8	3737806	3.70E-04	5.70E-05	3.79E-05
801	381908.8	3737806	3.52E-04	5.42E-05	3.60E-05
802	381928.8	3737806	3.34E-04	5.15E-05	3.42E-05
803	381948.8	3737806	3.18E-04	4.90E-05	3.26E-05
804	381968.8	3737806	3.03E-04	4.67E-05	3.10E-05
805	381988.8	3737806	2.89E-04	4.45E-05	2.96E-05
806	382008.8	3737806	2.75E-04	4.24E-05	2.82E-05
807	382028.8	3737806	2.62E-04	4.04E-05	2.69E-05
808	382048.8	3737806	2.51E-04	3.86E-05	2.57E-05
809	382068.8	3737806	2.40E-04	3.70E-05	2.46E-05
810	382088.8	3737806	2.30E-04	3.54E-05	2.35E-05
811	382108.8	3737806	2.20E-04	3.40E-05	2.26E-05
812	382128.8	3737806	2.11E-04	3.26E-05	2.16E-05
813	382148.8	3737806	2.03E-04	3.13E-05	2.08E-05
814	382168.8	3737806	1.95E-04	3.00E-05	1.99E-05
815	382188.8	3737806	1.87E-04	2.88E-05	1.92E-05
816	382208.8	3737806	1.80E-04	2.77E-05	1.84E-05
817	382228.8	3737806	1.73E-04	2.67E-05	1.77E-05
818	382248.8	3737806	1.66E-04	2.56E-05	1.70E-05
819	382268.8	3737806	1.60E-04	2.47E-05	1.64E-05
820	382288.8	3737806	1.55E-04	2.39E-05	1.59E-05
821	382308.8	3737806	1.50E-04	2.31E-05	1.53E-05
822	382328.8	3737806	1.45E-04	2.23E-05	1.48E-05
823	382348.8	3737806	1.40E-04	2.15E-05	1.43E-05
824	382368.8	3737806	1.35E-04	2.08E-05	1.38E-05
825	382388.8	3737806	1.31E-04	2.02E-05	1.34E-05
826	382408.8	3737806	1.27E-04	1.95E-05	1.30E-05
827	382428.8	3737806	1.23E-04	1.89E-05	1.26E-05
828	382448.8	3737806	1.18E-04	1.82E-05	1.21E-05
829	382468.8	3737806	1.14E-04	1.76E-05	1.17E-05
830	382488.8	3737806	1.11E-04	1.71E-05	1.13E-05
831	382508.8	3737806	1.08E-04	1.66E-05	1.10E-05
832	382528.8	3737806	1.05E-04	1.61E-05	1.07E-05
833	382548.8	3737806	1.02E-04	1.57E-05	1.04E-05
834	382568.8	3737806	9.92E-05	1.53E-05	1.02E-05
835	382588.8	3737806	9.64E-05	1.49E-05	9.87E-06
836	382608.8	3737806	9.37E-05	1.44E-05	9.60E-06
837	382628.8	3737806	9.11E-05	1.40E-05	9.33E-06
838	382648.8	3737806	8.87E-05	1.37E-05	9.08E-06
839	382668.8	3737806	8.62E-05	1.33E-05	8.83E-06

840	382688.8	3737806	8.39E-05	1.29E-05	8.60E-06
841	382708.8	3737806	8.18E-05	1.26E-05	8.37E-06
842	381628.8	3737826	7.04E-04	1.09E-04	7.21E-05
843	381648.8	3737826	6.71E-04	1.03E-04	6.87E-05
844	381668.8	3737826	6.38E-04	9.84E-05	6.54E-05
845	381688.8	3737826	6.09E-04	9.38E-05	6.24E-05
846	381708.8	3737826	5.84E-04	9.00E-05	5.98E-05
847	381728.8	3737826	5.56E-04	8.57E-05	5.70E-05
848	381748.8	3737826	5.29E-04	8.16E-05	5.42E-05
849	381768.8	3737826	5.03E-04	7.75E-05	5.15E-05
850	381788.8	3737826	4.78E-04	7.36E-05	4.89E-05
851	381808.8	3737826	4.53E-04	6.99E-05	4.64E-05
852	381828.8	3737826	4.30E-04	6.63E-05	4.41E-05
853	381848.8	3737826	4.09E-04	6.30E-05	4.18E-05
854	381868.8	3737826	3.88E-04	5.98E-05	3.97E-05
855	381888.8	3737826	3.69E-04	5.68E-05	3.77E-05
856	381908.8	3737826	3.50E-04	5.39E-05	3.58E-05
857	381928.8	3737826	3.33E-04	5.14E-05	3.42E-05
858	381948.8	3737826	3.18E-04	4.89E-05	3.25E-05
859	381968.8	3737826	3.03E-04	4.66E-05	3.10E-05
860	381988.8	3737826	2.89E-04	4.45E-05	2.96E-05
861	382008.8	3737826	2.75E-04	4.24E-05	2.82E-05
862	382028.8	3737826	2.63E-04	4.05E-05	2.69E-05
863	382048.8	3737826	2.51E-04	3.87E-05	2.57E-05
864	382068.8	3737826	2.40E-04	3.70E-05	2.46E-05
865	382088.8	3737826	2.30E-04	3.55E-05	2.36E-05
866	382108.8	3737826	2.21E-04	3.40E-05	2.26E-05
867	382128.8	3737826	2.12E-04	3.26E-05	2.17E-05
868	382148.8	3737826	2.03E-04	3.13E-05	2.08E-05
869	382168.8	3737826	1.95E-04	3.01E-05	2.00E-05
870	382188.8	3737826	1.88E-04	2.89E-05	1.92E-05
871	382208.8	3737826	1.80E-04	2.78E-05	1.85E-05
872	382228.8	3737826	1.74E-04	2.68E-05	1.78E-05
873	382248.8	3737826	1.67E-04	2.57E-05	1.71E-05
874	382268.8	3737826	1.61E-04	2.48E-05	1.65E-05
875	382288.8	3737826	1.56E-04	2.40E-05	1.59E-05
876	382308.8	3737826	1.50E-04	2.31E-05	1.54E-05
877	382328.8	3737826	1.45E-04	2.24E-05	1.49E-05
878	382348.8	3737826	1.40E-04	2.16E-05	1.44E-05
879	382368.8	3737826	1.36E-04	2.09E-05	1.39E-05
880	382388.8	3737826	1.31E-04	2.02E-05	1.34E-05
881	382408.8	3737826	1.27E-04	1.96E-05	1.30E-05
882	382428.8	3737826	1.23E-04	1.90E-05	1.26E-05
883	382448.8	3737826	1.18E-04	1.83E-05	1.21E-05
884	382468.8	3737826	1.14E-04	1.76E-05	1.17E-05
885	382488.8	3737826	1.11E-04	1.71E-05	1.13E-05
886	382508.8	3737826	1.08E-04	1.66E-05	1.10E-05

887	382528.8	3737826	1.05E-04	1.62E-05	1.07E-05
888	382548.8	3737826	1.02E-04	1.58E-05	1.05E-05
889	382568.8	3737826	9.96E-05	1.54E-05	1.02E-05
890	382588.8	3737826	9.68E-05	1.49E-05	9.92E-06
891	382608.8	3737826	9.41E-05	1.45E-05	9.64E-06
892	382628.8	3737826	9.15E-05	1.41E-05	9.37E-06
893	381628.8	3737846	6.87E-04	1.06E-04	7.04E-05
894	381648.8	3737846	6.57E-04	1.01E-04	6.73E-05
895	381668.8	3737846	6.27E-04	9.66E-05	6.42E-05
896	381688.8	3737846	5.95E-04	9.17E-05	6.09E-05
897	381708.8	3737846	5.73E-04	8.83E-05	5.87E-05
898	381728.8	3737846	5.50E-04	8.47E-05	5.63E-05
899	381748.8	3737846	5.23E-04	8.07E-05	5.36E-05
900	381768.8	3737846	4.98E-04	7.67E-05	5.10E-05
901	381788.8	3737846	4.73E-04	7.30E-05	4.85E-05
902	381808.8	3737846	4.50E-04	6.94E-05	4.61E-05
903	381828.8	3737846	4.28E-04	6.59E-05	4.38E-05
904	381848.8	3737846	4.06E-04	6.26E-05	4.16E-05
905	381868.8	3737846	3.85E-04	5.94E-05	3.95E-05
906	381888.8	3737846	3.64E-04	5.61E-05	3.72E-05
907	381908.8	3737846	3.45E-04	5.32E-05	3.54E-05
908	381928.8	3737846	3.30E-04	5.09E-05	3.38E-05
909	381948.8	3737846	3.17E-04	4.89E-05	3.25E-05
910	381968.8	3737846	3.02E-04	4.66E-05	3.10E-05
911	381988.8	3737846	2.88E-04	4.44E-05	2.95E-05
912	382008.8	3737846	2.75E-04	4.24E-05	2.82E-05
913	382028.8	3737846	2.63E-04	4.05E-05	2.69E-05
914	382048.8	3737846	2.51E-04	3.87E-05	2.57E-05
915	382068.8	3737846	2.41E-04	3.71E-05	2.46E-05
916	382088.8	3737846	2.30E-04	3.55E-05	2.36E-05
917	382108.8	3737846	2.21E-04	3.40E-05	2.26E-05
918	382128.8	3737846	2.12E-04	3.26E-05	2.17E-05
919	382148.8	3737846	2.03E-04	3.13E-05	2.08E-05
920	382168.8	3737846	1.95E-04	3.01E-05	2.00E-05
921	382188.8	3737846	1.88E-04	2.90E-05	1.92E-05
922	382208.8	3737846	1.81E-04	2.79E-05	1.85E-05
923	382228.8	3737846	1.74E-04	2.68E-05	1.78E-05
924	382248.8	3737846	1.68E-04	2.58E-05	1.72E-05
925	382268.8	3737846	1.62E-04	2.49E-05	1.66E-05
926	382288.8	3737846	1.56E-04	2.40E-05	1.60E-05
927	382308.8	3737846	1.51E-04	2.32E-05	1.54E-05
928	382328.8	3737846	1.46E-04	2.24E-05	1.49E-05
929	382348.8	3737846	1.41E-04	2.17E-05	1.44E-05
930	382368.8	3737846	1.36E-04	2.10E-05	1.39E-05
931	382388.8	3737846	1.32E-04	2.03E-05	1.35E-05
932	382408.8	3737846	1.28E-04	1.97E-05	1.31E-05
933	382428.8	3737846	1.24E-04	1.90E-05	1.27E-05

934	382448.8	3737846	1.19E-04	1.84E-05	1.22E-05
935	382468.8	3737846	1.14E-04	1.76E-05	1.17E-05
936	382488.8	3737846	1.11E-04	1.71E-05	1.14E-05
937	382508.8	3737846	1.08E-04	1.66E-05	1.10E-05
938	382528.8	3737846	1.05E-04	1.62E-05	1.08E-05
939	382548.8	3737846	1.03E-04	1.58E-05	1.05E-05
940	381608.8	3737867	7.03E-04	1.08E-04	7.21E-05
941	381628.8	3737867	6.75E-04	1.04E-04	6.91E-05
942	381648.8	3737867	6.47E-04	9.98E-05	6.63E-05
943	381668.8	3737867	6.19E-04	9.54E-05	6.34E-05
944	381688.8	3737867	5.90E-04	9.09E-05	6.04E-05
945	381708.8	3737867	5.65E-04	8.72E-05	5.79E-05
946	381728.8	3737867	5.42E-04	8.35E-05	5.55E-05
947	381748.8	3737867	5.18E-04	7.98E-05	5.30E-05
948	381768.8	3737867	4.93E-04	7.60E-05	5.05E-05
949	381788.8	3737867	4.69E-04	7.23E-05	4.81E-05
950	381808.8	3737867	4.46E-04	6.88E-05	4.57E-05
951	381828.8	3737867	4.25E-04	6.55E-05	4.35E-05
952	381848.8	3737867	4.04E-04	6.23E-05	4.14E-05
953	381868.8	3737867	3.84E-04	5.92E-05	3.93E-05
954	381888.8	3737867	3.63E-04	5.59E-05	3.72E-05
955	381908.8	3737867	3.45E-04	5.31E-05	3.53E-05
956	381928.8	3737867	3.29E-04	5.06E-05	3.37E-05
957	381948.8	3737867	3.15E-04	4.86E-05	3.23E-05
958	381968.8	3737867	3.02E-04	4.65E-05	3.09E-05
959	381988.8	3737867	2.88E-04	4.44E-05	2.95E-05
960	382008.8	3737867	2.75E-04	4.24E-05	2.82E-05
961	382028.8	3737867	2.63E-04	4.05E-05	2.69E-05
962	382048.8	3737867	2.51E-04	3.87E-05	2.57E-05
963	382068.8	3737867	2.41E-04	3.71E-05	2.47E-05
964	382088.8	3737867	2.31E-04	3.55E-05	2.36E-05
965	382108.8	3737867	2.21E-04	3.41E-05	2.26E-05
966	382128.8	3737867	2.12E-04	3.27E-05	2.17E-05
967	382148.8	3737867	2.04E-04	3.14E-05	2.09E-05
968	382168.8	3737867	1.96E-04	3.02E-05	2.00E-05
969	382188.8	3737867	1.88E-04	2.90E-05	1.93E-05
970	382208.8	3737867	1.81E-04	2.79E-05	1.85E-05
971	382228.8	3737867	1.74E-04	2.69E-05	1.79E-05
972	382248.8	3737867	1.68E-04	2.59E-05	1.72E-05
973	382268.8	3737867	1.62E-04	2.50E-05	1.66E-05
974	382288.8	3737867	1.56E-04	2.41E-05	1.60E-05
975	382308.8	3737867	1.51E-04	2.33E-05	1.55E-05
976	382328.8	3737867	1.46E-04	2.25E-05	1.49E-05
977	382348.8	3737867	1.41E-04	2.17E-05	1.44E-05
978	382368.8	3737867	1.37E-04	2.10E-05	1.40E-05
979	382388.8	3737867	1.32E-04	2.04E-05	1.35E-05
980	382408.8	3737867	1.28E-04	1.97E-05	1.31E-05

981	382428.8	3737867	1.24E-04	1.91E-05	1.27E-05
982	382448.8	3737867	1.20E-04	1.84E-05	1.22E-05
983	382468.8	3737867	1.15E-04	1.77E-05	1.18E-05
984	382488.8	3737867	1.11E-04	1.72E-05	1.14E-05
985	381608.8	3737887	6.91E-04	1.06E-04	7.07E-05
986	381628.8	3737887	6.65E-04	1.02E-04	6.81E-05
987	381648.8	3737887	6.39E-04	9.84E-05	6.54E-05
988	381668.8	3737887	6.12E-04	9.44E-05	6.27E-05
989	381688.8	3737887	5.86E-04	9.02E-05	6.00E-05
990	381708.8	3737887	5.58E-04	8.60E-05	5.72E-05
991	381728.8	3737887	5.33E-04	8.21E-05	5.46E-05
992	381748.8	3737887	5.10E-04	7.85E-05	5.22E-05
993	381768.8	3737887	4.87E-04	7.51E-05	4.99E-05
994	381788.8	3737887	4.65E-04	7.17E-05	4.77E-05
995	381808.8	3737887	4.43E-04	6.83E-05	4.54E-05
996	381828.8	3737887	4.22E-04	6.50E-05	4.32E-05
997	381848.8	3737887	4.02E-04	6.19E-05	4.12E-05
998	381868.8	3737887	3.83E-04	5.90E-05	3.92E-05
999	381888.8	3737887	3.64E-04	5.61E-05	3.73E-05
1000	381908.8	3737887	3.45E-04	5.32E-05	3.54E-05
1001	381928.8	3737887	3.28E-04	5.06E-05	3.36E-05
1002	381948.8	3737887	3.14E-04	4.84E-05	3.22E-05
1003	381968.8	3737887	3.01E-04	4.64E-05	3.08E-05
1004	381988.8	3737887	2.88E-04	4.43E-05	2.95E-05
1005	382008.8	3737887	2.75E-04	4.24E-05	2.82E-05
1006	382028.8	3737887	2.63E-04	4.05E-05	2.69E-05
1007	382048.8	3737887	2.51E-04	3.87E-05	2.57E-05
1008	382068.8	3737887	2.41E-04	3.71E-05	2.47E-05
1009	382088.8	3737887	2.31E-04	3.56E-05	2.36E-05
1010	382108.8	3737887	2.21E-04	3.41E-05	2.27E-05
1011	382128.8	3737887	2.12E-04	3.27E-05	2.17E-05
1012	382148.8	3737887	2.04E-04	3.14E-05	2.09E-05
1013	382168.8	3737887	1.96E-04	3.02E-05	2.01E-05
1014	382188.8	3737887	1.88E-04	2.90E-05	1.93E-05
1015	382208.8	3737887	1.81E-04	2.80E-05	1.86E-05
1016	382228.8	3737887	1.75E-04	2.69E-05	1.79E-05
1017	382248.8	3737887	1.68E-04	2.60E-05	1.72E-05
1018	382268.8	3737887	1.62E-04	2.50E-05	1.66E-05
1019	382288.8	3737887	1.57E-04	2.42E-05	1.61E-05
1020	382308.8	3737887	1.51E-04	2.33E-05	1.55E-05
1021	382328.8	3737887	1.46E-04	2.25E-05	1.50E-05
1022	382348.8	3737887	1.41E-04	2.18E-05	1.45E-05
1023	382368.8	3737887	1.37E-04	2.11E-05	1.40E-05
1024	382388.8	3737887	1.32E-04	2.04E-05	1.36E-05
1025	382408.8	3737887	1.28E-04	1.98E-05	1.31E-05
1026	381608.8	3737907	6.78E-04	1.05E-04	6.95E-05
1027	381628.8	3737907	6.54E-04	1.01E-04	6.70E-05

1028	381648.8	3737907	6.29E-04	9.70E-05	6.44E-05
1029	381668.8	3737907	6.04E-04	9.31E-05	6.19E-05
1030	381688.8	3737907	5.77E-04	8.90E-05	5.91E-05
1031	381708.8	3737907	5.50E-04	8.48E-05	5.63E-05
1032	381728.8	3737907	5.25E-04	8.09E-05	5.38E-05
1033	381748.8	3737907	5.03E-04	7.75E-05	5.15E-05
1034	381768.8	3737907	4.82E-04	7.43E-05	4.94E-05
1035	381788.8	3737907	4.61E-04	7.11E-05	4.72E-05
1036	381808.8	3737907	4.40E-04	6.78E-05	4.51E-05
1037	381828.8	3737907	4.19E-04	6.46E-05	4.29E-05
1038	381848.8	3737907	4.00E-04	6.16E-05	4.09E-05
1039	381868.8	3737907	3.81E-04	5.87E-05	3.90E-05
1040	381888.8	3737907	3.63E-04	5.60E-05	3.72E-05
1041	381908.8	3737907	3.46E-04	5.34E-05	3.55E-05
1042	381928.8	3737907	3.30E-04	5.08E-05	3.38E-05
1043	381948.8	3737907	3.15E-04	4.85E-05	3.22E-05
1044	381968.8	3737907	3.01E-04	4.64E-05	3.08E-05
1045	381988.8	3737907	2.87E-04	4.43E-05	2.94E-05
1046	382008.8	3737907	2.75E-04	4.23E-05	2.81E-05
1047	382028.8	3737907	2.62E-04	4.04E-05	2.69E-05
1048	382048.8	3737907	2.51E-04	3.86E-05	2.57E-05
1049	382068.8	3737907	2.41E-04	3.71E-05	2.47E-05
1050	382088.8	3737907	2.31E-04	3.56E-05	2.36E-05
1051	382108.8	3737907	2.21E-04	3.41E-05	2.27E-05
1052	382128.8	3737907	2.13E-04	3.28E-05	2.18E-05
1053	382148.8	3737907	2.04E-04	3.15E-05	2.09E-05
1054	382168.8	3737907	1.96E-04	3.02E-05	2.01E-05
1055	382188.8	3737907	1.89E-04	2.91E-05	1.93E-05
1056	382208.8	3737907	1.82E-04	2.80E-05	1.86E-05
1057	382228.8	3737907	1.75E-04	2.70E-05	1.79E-05
1058	382248.8	3737907	1.69E-04	2.60E-05	1.73E-05
1059	382268.8	3737907	1.63E-04	2.51E-05	1.67E-05
1060	382288.8	3737907	1.57E-04	2.42E-05	1.61E-05
1061	382308.8	3737907	1.52E-04	2.34E-05	1.55E-05
1062	382328.8	3737907	1.47E-04	2.26E-05	1.50E-05
1063	382348.8	3737907	1.42E-04	2.18E-05	1.45E-05
1064	381608.8	3737927	6.65E-04	1.03E-04	6.82E-05
1065	381628.8	3737927	6.43E-04	9.90E-05	6.58E-05
1066	381648.8	3737927	6.19E-04	9.54E-05	6.34E-05
1067	381668.8	3737927	5.95E-04	9.17E-05	6.09E-05
1068	381688.8	3737927	5.71E-04	8.80E-05	5.85E-05
1069	381708.8	3737927	5.45E-04	8.40E-05	5.58E-05
1070	381728.8	3737927	5.20E-04	8.02E-05	5.33E-05
1071	381748.8	3737927	4.97E-04	7.66E-05	5.09E-05
1072	381768.8	3737927	4.77E-04	7.36E-05	4.89E-05
1073	381788.8	3737927	4.57E-04	7.05E-05	4.68E-05
1074	381808.8	3737927	4.37E-04	6.73E-05	4.47E-05

1075	381828.8	3737927	4.17E-04	6.42E-05	4.27E-05
1076	381848.8	3737927	3.97E-04	6.13E-05	4.07E-05
1077	381868.8	3737927	3.79E-04	5.84E-05	3.88E-05
1078	381888.8	3737927	3.62E-04	5.57E-05	3.70E-05
1079	381908.8	3737927	3.45E-04	5.32E-05	3.53E-05
1080	381928.8	3737927	3.29E-04	5.07E-05	3.37E-05
1081	381948.8	3737927	3.14E-04	4.84E-05	3.22E-05
1082	381968.8	3737927	3.00E-04	4.63E-05	3.07E-05
1083	381988.8	3737927	2.87E-04	4.42E-05	2.94E-05
1084	382008.8	3737927	2.74E-04	4.23E-05	2.81E-05
1085	382028.8	3737927	2.62E-04	4.04E-05	2.68E-05
1086	382048.8	3737927	2.50E-04	3.85E-05	2.56E-05
1087	382068.8	3737927	2.41E-04	3.71E-05	2.47E-05
1088	382088.8	3737927	2.31E-04	3.56E-05	2.37E-05
1089	382108.8	3737927	2.22E-04	3.42E-05	2.27E-05
1090	382128.8	3737927	2.13E-04	3.28E-05	2.18E-05
1091	382148.8	3737927	2.04E-04	3.15E-05	2.09E-05
1092	382168.8	3737927	1.96E-04	3.03E-05	2.01E-05
1093	382188.8	3737927	1.89E-04	2.91E-05	1.94E-05
1094	382208.8	3737927	1.82E-04	2.81E-05	1.86E-05
1095	382228.8	3737927	1.75E-04	2.70E-05	1.80E-05
1096	382248.8	3737927	1.69E-04	2.61E-05	1.73E-05
1097	382268.8	3737927	1.63E-04	2.51E-05	1.67E-05
1098	381588.8	3737948	6.73E-04	1.04E-04	6.90E-05
1099	381608.8	3737948	6.53E-04	1.01E-04	6.68E-05
1100	381628.8	3737948	6.31E-04	9.72E-05	6.46E-05
1101	381648.8	3737948	6.08E-04	9.38E-05	6.23E-05
1102	381668.8	3737948	5.86E-04	9.03E-05	6.00E-05
1103	381688.8	3737948	5.63E-04	8.67E-05	5.76E-05
1104	381708.8	3737948	5.40E-04	8.32E-05	5.53E-05
1105	381728.8	3737948	5.16E-04	7.95E-05	5.28E-05
1106	381748.8	3737948	4.93E-04	7.59E-05	5.05E-05
1107	381768.8	3737948	4.73E-04	7.29E-05	4.85E-05
1108	381788.8	3737948	4.53E-04	6.98E-05	4.64E-05
1109	381808.8	3737948	4.33E-04	6.68E-05	4.44E-05
1110	381828.8	3737948	4.14E-04	6.37E-05	4.24E-05
1111	381848.8	3737948	3.95E-04	6.09E-05	4.05E-05
1112	381868.8	3737948	3.77E-04	5.81E-05	3.86E-05
1113	381888.8	3737948	3.60E-04	5.55E-05	3.69E-05
1114	381908.8	3737948	3.44E-04	5.30E-05	3.52E-05
1115	381928.8	3737948	3.28E-04	5.06E-05	3.36E-05
1116	381948.8	3737948	3.13E-04	4.83E-05	3.21E-05
1117	381968.8	3737948	3.00E-04	4.62E-05	3.07E-05
1118	381988.8	3737948	2.86E-04	4.41E-05	2.93E-05
1119	382008.8	3737948	2.74E-04	4.22E-05	2.81E-05
1120	382028.8	3737948	2.62E-04	4.03E-05	2.68E-05
1121	382048.8	3737948	2.49E-04	3.84E-05	2.55E-05

1122	382068.8	3737948	2.40E-04	3.70E-05	2.46E-05
1123	382088.8	3737948	2.31E-04	3.56E-05	2.36E-05
1124	382108.8	3737948	2.22E-04	3.42E-05	2.27E-05
1125	382128.8	3737948	2.13E-04	3.28E-05	2.18E-05
1126	382148.8	3737948	2.05E-04	3.15E-05	2.09E-05
1127	382168.8	3737948	1.97E-04	3.03E-05	2.01E-05
1128	382188.8	3737948	1.89E-04	2.92E-05	1.94E-05
1129	381328.8	3737968	7.76E-04	1.20E-04	7.95E-05
1130	381348.8	3737968	7.79E-04	1.20E-04	7.97E-05
1131	381368.8	3737968	7.79E-04	1.20E-04	7.98E-05
1132	381388.8	3737968	7.78E-04	1.20E-04	7.97E-05
1133	381408.8	3737968	7.72E-04	1.19E-04	7.91E-05
1134	381428.8	3737968	7.65E-04	1.18E-04	7.84E-05
1135	381588.8	3737968	6.59E-04	1.02E-04	6.75E-05
1136	381608.8	3737968	6.39E-04	9.86E-05	6.55E-05
1137	381628.8	3737968	6.19E-04	9.54E-05	6.34E-05
1138	381648.8	3737968	5.98E-04	9.21E-05	6.12E-05
1139	381668.8	3737968	5.76E-04	8.88E-05	5.90E-05
1140	381688.8	3737968	5.55E-04	8.55E-05	5.68E-05
1141	381708.8	3737968	5.33E-04	8.21E-05	5.46E-05
1142	381728.8	3737968	5.11E-04	7.87E-05	5.23E-05
1143	381748.8	3737968	4.90E-04	7.55E-05	5.02E-05
1144	381768.8	3737968	4.69E-04	7.23E-05	4.81E-05
1145	381788.8	3737968	4.49E-04	6.92E-05	4.60E-05
1146	381808.8	3737968	4.29E-04	6.62E-05	4.40E-05
1147	381828.8	3737968	4.11E-04	6.33E-05	4.21E-05
1148	381848.8	3737968	3.92E-04	6.05E-05	4.02E-05
1149	381868.8	3737968	3.75E-04	5.78E-05	3.84E-05
1150	381888.8	3737968	3.58E-04	5.52E-05	3.67E-05
1151	381908.8	3737968	3.42E-04	5.27E-05	3.51E-05
1152	381928.8	3737968	3.27E-04	5.04E-05	3.35E-05
1153	381948.8	3737968	3.13E-04	4.82E-05	3.20E-05
1154	381968.8	3737968	2.99E-04	4.60E-05	3.06E-05
1155	381988.8	3737968	2.86E-04	4.41E-05	2.93E-05
1156	382008.8	3737968	2.74E-04	4.22E-05	2.80E-05
1157	382028.8	3737968	2.62E-04	4.04E-05	2.68E-05
1158	382048.8	3737968	2.49E-04	3.84E-05	2.55E-05
1159	382068.8	3737968	2.39E-04	3.68E-05	2.45E-05
1160	382088.8	3737968	2.30E-04	3.54E-05	2.35E-05
1161	382108.8	3737968	2.22E-04	3.42E-05	2.27E-05
1162	382128.8	3737968	2.13E-04	3.28E-05	2.18E-05
1163	381328.8	3737988	7.54E-04	1.16E-04	7.72E-05
1164	381348.8	3737988	7.56E-04	1.17E-04	7.74E-05
1165	381368.8	3737988	7.57E-04	1.17E-04	7.75E-05
1166	381388.8	3737988	7.55E-04	1.16E-04	7.74E-05
1167	381408.8	3737988	7.50E-04	1.16E-04	7.68E-05
1168	381428.8	3737988	7.45E-04	1.15E-04	7.63E-05

1169	381588.8	3737988	6.45E-04	9.94E-05	6.60E-05
1170	381608.8	3737988	6.25E-04	9.63E-05	6.40E-05
1171	381628.8	3737988	6.05E-04	9.33E-05	6.20E-05
1172	381648.8	3737988	5.85E-04	9.01E-05	5.99E-05
1173	381668.8	3737988	5.64E-04	8.70E-05	5.78E-05
1174	381688.8	3737988	5.44E-04	8.38E-05	5.57E-05
1175	381708.8	3737988	5.23E-04	8.06E-05	5.36E-05
1176	381728.8	3737988	5.03E-04	7.75E-05	5.15E-05
1177	381748.8	3737988	4.84E-04	7.46E-05	4.96E-05
1178	381768.8	3737988	4.64E-04	7.15E-05	4.75E-05
1179	381788.8	3737988	4.45E-04	6.85E-05	4.55E-05
1180	381808.8	3737988	4.26E-04	6.56E-05	4.36E-05
1181	381828.8	3737988	4.07E-04	6.28E-05	4.17E-05
1182	381848.8	3737988	3.90E-04	6.01E-05	3.99E-05
1183	381868.8	3737988	3.73E-04	5.74E-05	3.82E-05
1184	381888.8	3737988	3.56E-04	5.49E-05	3.65E-05
1185	381908.8	3737988	3.41E-04	5.25E-05	3.49E-05
1186	381928.8	3737988	3.26E-04	5.02E-05	3.34E-05
1187	381948.8	3737988	3.12E-04	4.80E-05	3.19E-05
1188	381968.8	3737988	2.98E-04	4.59E-05	3.05E-05
1189	381988.8	3737988	2.85E-04	4.40E-05	2.92E-05
1190	382008.8	3737988	2.73E-04	4.21E-05	2.80E-05
1191	382028.8	3737988	2.62E-04	4.03E-05	2.68E-05
1192	382048.8	3737988	2.50E-04	3.85E-05	2.56E-05
1193	381328.8	3738009	7.32E-04	1.13E-04	7.50E-05
1194	381348.8	3738009	7.35E-04	1.13E-04	7.53E-05
1195	381368.8	3738009	7.36E-04	1.13E-04	7.54E-05
1196	381388.8	3738009	7.33E-04	1.13E-04	7.51E-05
1197	381408.8	3738009	7.29E-04	1.12E-04	7.47E-05
1198	381428.8	3738009	7.25E-04	1.12E-04	7.43E-05
1199	381568.8	3738009	6.49E-04	1.00E-04	6.65E-05
1200	381588.8	3738009	6.30E-04	9.71E-05	6.45E-05
1201	381608.8	3738009	6.10E-04	9.40E-05	6.25E-05
1202	381628.8	3738009	5.90E-04	9.09E-05	6.04E-05
1203	381648.8	3738009	5.72E-04	8.81E-05	5.86E-05
1204	381668.8	3738009	5.52E-04	8.51E-05	5.66E-05
1205	381688.8	3738009	5.32E-04	8.19E-05	5.45E-05
1206	381708.8	3738009	5.13E-04	7.91E-05	5.25E-05
1207	381728.8	3738009	4.95E-04	7.63E-05	5.07E-05
1208	381748.8	3738009	4.78E-04	7.37E-05	4.90E-05
1209	381768.8	3738009	4.59E-04	7.08E-05	4.70E-05
1210	381788.8	3738009	4.40E-04	6.79E-05	4.51E-05
1211	381808.8	3738009	4.22E-04	6.50E-05	4.32E-05
1212	381828.8	3738009	4.04E-04	6.23E-05	4.14E-05
1213	381848.8	3738009	3.87E-04	5.96E-05	3.96E-05
1214	381868.8	3738009	3.70E-04	5.71E-05	3.79E-05
1215	381888.8	3738009	3.54E-04	5.46E-05	3.63E-05

1216	381908.8	3738009	3.39E-04	5.23E-05	3.47E-05
1217	381928.8	3738009	3.24E-04	5.00E-05	3.32E-05
1218	381948.8	3738009	3.11E-04	4.79E-05	3.18E-05
1219	381968.8	3738009	2.97E-04	4.58E-05	3.04E-05
1220	381328.8	3738029	7.12E-04	1.10E-04	7.30E-05
1221	381348.8	3738029	7.15E-04	1.10E-04	7.32E-05
1222	381368.8	3738029	7.16E-04	1.10E-04	7.33E-05
1223	381388.8	3738029	7.15E-04	1.10E-04	7.32E-05
1224	381408.8	3738029	7.10E-04	1.09E-04	7.27E-05
1225	381428.8	3738029	7.06E-04	1.09E-04	7.24E-05
1226	381568.8	3738029	6.36E-04	9.80E-05	6.51E-05
1227	381588.8	3738029	6.18E-04	9.53E-05	6.33E-05
1228	381608.8	3738029	5.98E-04	9.22E-05	6.13E-05
1229	381628.8	3738029	5.78E-04	8.91E-05	5.92E-05
1230	381648.8	3738029	5.60E-04	8.64E-05	5.74E-05
1231	381668.8	3738029	5.41E-04	8.34E-05	5.55E-05
1232	381688.8	3738029	5.22E-04	8.04E-05	5.34E-05
1233	381708.8	3738029	5.04E-04	7.77E-05	5.16E-05
1234	381728.8	3738029	4.87E-04	7.50E-05	4.99E-05
1235	381748.8	3738029	4.71E-04	7.26E-05	4.83E-05
1236	381768.8	3738029	4.54E-04	6.99E-05	4.65E-05
1237	381788.8	3738029	4.36E-04	6.72E-05	4.47E-05
1238	381808.8	3738029	4.18E-04	6.44E-05	4.28E-05
1239	381828.8	3738029	4.01E-04	6.18E-05	4.11E-05
1240	381848.8	3738029	3.84E-04	5.92E-05	3.93E-05
1241	381868.8	3738029	3.68E-04	5.67E-05	3.77E-05
1242	381888.8	3738029	3.52E-04	5.43E-05	3.61E-05
1243	381908.8	3738029	3.37E-04	5.20E-05	3.46E-05
1244	381328.8	3738049	6.93E-04	1.07E-04	7.10E-05
1245	381348.8	3738049	6.96E-04	1.07E-04	7.13E-05
1246	381368.8	3738049	6.97E-04	1.07E-04	7.14E-05
1247	381388.8	3738049	6.96E-04	1.07E-04	7.13E-05
1248	381408.8	3738049	6.93E-04	1.07E-04	7.10E-05
1249	381428.8	3738049	6.90E-04	1.06E-04	7.06E-05
1250	381548.8	3738049	6.37E-04	9.82E-05	6.52E-05
1251	381568.8	3738049	6.23E-04	9.60E-05	6.38E-05
1252	381588.8	3738049	6.06E-04	9.34E-05	6.21E-05
1253	381608.8	3738049	5.88E-04	9.06E-05	6.02E-05
1254	381628.8	3738049	5.70E-04	8.79E-05	5.84E-05
1255	381648.8	3738049	5.53E-04	8.52E-05	5.66E-05
1256	381668.8	3738049	5.35E-04	8.24E-05	5.48E-05
1257	381688.8	3738049	5.15E-04	7.94E-05	5.27E-05
1258	381708.8	3738049	4.96E-04	7.65E-05	5.08E-05
1259	381728.8	3738049	4.78E-04	7.37E-05	4.90E-05
1260	381748.8	3738049	4.61E-04	7.11E-05	4.72E-05
1261	381768.8	3738049	4.44E-04	6.85E-05	4.55E-05
1262	381788.8	3738049	4.28E-04	6.60E-05	4.38E-05

1263	381808.8	3738049	4.13E-04	6.37E-05	4.23E-05
1264	381828.8	3738049	3.98E-04	6.13E-05	4.07E-05
1265	381328.8	3738070	6.74E-04	1.04E-04	6.90E-05
1266	381348.8	3738070	6.77E-04	1.04E-04	6.94E-05
1267	381368.8	3738070	6.78E-04	1.05E-04	6.95E-05
1268	381388.8	3738070	6.78E-04	1.04E-04	6.94E-05
1269	381408.8	3738070	6.75E-04	1.04E-04	6.92E-05
1270	381428.8	3738070	6.71E-04	1.03E-04	6.88E-05
1271	381548.8	3738070	6.23E-04	9.60E-05	6.38E-05
1272	381568.8	3738070	6.10E-04	9.40E-05	6.24E-05
1273	381588.8	3738070	5.92E-04	9.13E-05	6.07E-05
1274	381608.8	3738070	5.76E-04	8.87E-05	5.89E-05
1275	381628.8	3738070	5.60E-04	8.63E-05	5.74E-05
1276	381648.8	3738070	5.45E-04	8.39E-05	5.58E-05
1277	381668.8	3738070	5.27E-04	8.13E-05	5.40E-05
1278	381688.8	3738070	5.08E-04	7.83E-05	5.20E-05
1279	381708.8	3738070	4.90E-04	7.55E-05	5.01E-05
1280	381728.8	3738070	4.71E-04	7.26E-05	4.82E-05
1281	381748.8	3738070	4.53E-04	6.97E-05	4.63E-05
1282	380570.5	3735126	7.32E-05	1.13E-05	7.50E-06
1283	380580.5	3735126	7.40E-05	1.14E-05	7.58E-06
1284	380590.5	3735126	7.47E-05	1.15E-05	7.65E-06
1285	380600.5	3735126	7.54E-05	1.16E-05	7.72E-06
1286	380610.5	3735126	7.61E-05	1.17E-05	7.79E-06
1287	380620.5	3735126	7.67E-05	1.18E-05	7.86E-06
1288	380630.5	3735126	7.73E-05	1.19E-05	7.92E-06
1289	380640.5	3735126	7.80E-05	1.20E-05	7.99E-06
1290	380650.5	3735126	7.86E-05	1.21E-05	8.05E-06
1291	380560.5	3735136	7.31E-05	1.13E-05	7.49E-06
1292	380570.5	3735136	7.38E-05	1.14E-05	7.56E-06
1293	380580.5	3735136	7.45E-05	1.15E-05	7.63E-06
1294	380590.5	3735136	7.52E-05	1.16E-05	7.71E-06
1295	380600.5	3735136	7.59E-05	1.17E-05	7.78E-06
1296	380610.5	3735136	7.66E-05	1.18E-05	7.85E-06
1297	380620.5	3735136	7.73E-05	1.19E-05	7.92E-06
1298	380630.5	3735136	7.80E-05	1.20E-05	7.99E-06
1299	380640.5	3735136	7.86E-05	1.21E-05	8.05E-06
1300	380650.5	3735136	7.92E-05	1.22E-05	8.12E-06
1301	380660.5	3735136	7.98E-05	1.23E-05	8.18E-06
1302	380550.5	3735146	7.30E-05	1.12E-05	7.47E-06
1303	380560.5	3735146	7.37E-05	1.14E-05	7.54E-06
1304	380570.5	3735146	7.44E-05	1.15E-05	7.62E-06
1305	380580.5	3735146	7.51E-05	1.16E-05	7.70E-06
1306	380590.5	3735146	7.58E-05	1.17E-05	7.77E-06
1307	380600.5	3735146	7.65E-05	1.18E-05	7.84E-06
1308	380610.5	3735146	7.72E-05	1.19E-05	7.91E-06
1309	380620.5	3735146	7.79E-05	1.20E-05	7.98E-06

1310	380630.5	3735146	7.86E-05	1.21E-05	8.05E-06
1311	380640.5	3735146	7.93E-05	1.22E-05	8.12E-06
1312	380650.5	3735146	7.99E-05	1.23E-05	8.19E-06
1313	380660.5	3735146	8.05E-05	1.24E-05	8.25E-06
1314	380540.5	3735156	7.30E-05	1.13E-05	7.48E-06
1315	380550.5	3735156	7.36E-05	1.13E-05	7.54E-06
1316	380560.5	3735156	7.43E-05	1.14E-05	7.61E-06
1317	380570.5	3735156	7.50E-05	1.16E-05	7.68E-06
1318	380580.5	3735156	7.57E-05	1.17E-05	7.75E-06
1319	380590.5	3735156	7.64E-05	1.18E-05	7.82E-06
1320	380600.5	3735156	7.71E-05	1.19E-05	7.90E-06
1321	380610.5	3735156	7.78E-05	1.20E-05	7.97E-06
1322	380620.5	3735156	7.85E-05	1.21E-05	8.04E-06
1323	380630.5	3735156	7.92E-05	1.22E-05	8.12E-06
1324	380640.5	3735156	7.99E-05	1.23E-05	8.19E-06
1325	380650.5	3735156	8.05E-05	1.24E-05	8.25E-06
1326	380660.5	3735156	8.12E-05	1.25E-05	8.31E-06
1327	380670.5	3735156	8.19E-05	1.26E-05	8.38E-06
1328	380520.5	3735166	7.25E-05	1.12E-05	7.43E-06
1329	380530.5	3735166	7.30E-05	1.13E-05	7.48E-06
1330	380540.5	3735166	7.37E-05	1.14E-05	7.54E-06
1331	380550.5	3735166	7.43E-05	1.14E-05	7.61E-06
1332	380560.5	3735166	7.50E-05	1.16E-05	7.68E-06
1333	380570.5	3735166	7.56E-05	1.16E-05	7.74E-06
1334	380580.5	3735166	7.63E-05	1.18E-05	7.81E-06
1335	380590.5	3735166	7.70E-05	1.19E-05	7.88E-06
1336	380600.5	3735166	7.77E-05	1.20E-05	7.96E-06
1337	380610.5	3735166	7.85E-05	1.21E-05	8.04E-06
1338	380620.5	3735166	7.92E-05	1.22E-05	8.11E-06
1339	380630.5	3735166	7.98E-05	1.23E-05	8.18E-06
1340	380640.5	3735166	8.05E-05	1.24E-05	8.25E-06
1341	380650.5	3735166	8.12E-05	1.25E-05	8.31E-06
1342	380660.5	3735166	8.18E-05	1.26E-05	8.37E-06
1343	380670.5	3735166	8.25E-05	1.27E-05	8.45E-06
1344	380680.5	3735166	8.32E-05	1.28E-05	8.53E-06
1345	380520.5	3735176	7.31E-05	1.13E-05	7.49E-06
1346	380530.5	3735176	7.37E-05	1.14E-05	7.55E-06
1347	380540.5	3735176	7.44E-05	1.15E-05	7.62E-06
1348	380550.5	3735176	7.49E-05	1.15E-05	7.67E-06
1349	380560.5	3735176	7.56E-05	1.16E-05	7.74E-06
1350	380570.5	3735176	7.62E-05	1.17E-05	7.80E-06
1351	380580.5	3735176	7.69E-05	1.18E-05	7.87E-06
1352	380590.5	3735176	7.76E-05	1.20E-05	7.95E-06
1353	380600.5	3735176	7.83E-05	1.21E-05	8.02E-06
1354	380610.5	3735176	7.91E-05	1.22E-05	8.10E-06
1355	380620.5	3735176	7.98E-05	1.23E-05	8.17E-06
1356	380630.5	3735176	8.04E-05	1.24E-05	8.23E-06

1357	380640.5	3735176	8.11E-05	1.25E-05	8.30E-06
1358	380650.5	3735176	8.18E-05	1.26E-05	8.37E-06
1359	380660.5	3735176	8.25E-05	1.27E-05	8.45E-06
1360	380670.5	3735176	8.32E-05	1.28E-05	8.52E-06
1361	380680.5	3735176	8.39E-05	1.29E-05	8.60E-06
1362	380690.5	3735176	8.48E-05	1.31E-05	8.69E-06
1363	380510.5	3735186	7.30E-05	1.12E-05	7.47E-06
1364	380520.5	3735186	7.37E-05	1.14E-05	7.54E-06
1365	380530.5	3735186	7.43E-05	1.14E-05	7.61E-06
1366	380540.5	3735186	7.50E-05	1.16E-05	7.68E-06
1367	380550.5	3735186	7.56E-05	1.16E-05	7.74E-06
1368	380560.5	3735186	7.62E-05	1.17E-05	7.80E-06
1369	380570.5	3735186	7.68E-05	1.18E-05	7.87E-06
1370	380580.5	3735186	7.74E-05	1.19E-05	7.93E-06
1371	380590.5	3735186	7.81E-05	1.20E-05	8.00E-06
1372	380600.5	3735186	7.88E-05	1.21E-05	8.07E-06
1373	380610.5	3735186	7.95E-05	1.23E-05	8.14E-06
1374	380620.5	3735186	8.01E-05	1.23E-05	8.21E-06
1375	380630.5	3735186	8.08E-05	1.25E-05	8.28E-06
1376	380640.5	3735186	8.14E-05	1.25E-05	8.34E-06
1377	380650.5	3735186	8.22E-05	1.27E-05	8.42E-06
1378	380660.5	3735186	8.29E-05	1.28E-05	8.49E-06
1379	380670.5	3735186	8.37E-05	1.29E-05	8.57E-06
1380	380680.5	3735186	8.46E-05	1.30E-05	8.66E-06
1381	380690.5	3735186	8.54E-05	1.32E-05	8.75E-06
1382	380500.5	3735196	7.29E-05	1.12E-05	7.46E-06
1383	380510.5	3735196	7.36E-05	1.13E-05	7.54E-06
1384	380520.5	3735196	7.43E-05	1.14E-05	7.61E-06
1385	380530.5	3735196	7.50E-05	1.16E-05	7.68E-06
1386	380540.5	3735196	7.56E-05	1.16E-05	7.74E-06
1387	380550.5	3735196	7.62E-05	1.17E-05	7.80E-06
1388	380560.5	3735196	7.68E-05	1.18E-05	7.87E-06
1389	380570.5	3735196	7.75E-05	1.19E-05	7.94E-06
1390	380580.5	3735196	7.81E-05	1.20E-05	8.00E-06
1391	380590.5	3735196	7.88E-05	1.21E-05	8.07E-06
1392	380600.5	3735196	7.95E-05	1.23E-05	8.14E-06
1393	380610.5	3735196	8.02E-05	1.24E-05	8.21E-06
1394	380620.5	3735196	8.09E-05	1.25E-05	8.29E-06
1395	380630.5	3735196	8.16E-05	1.26E-05	8.36E-06
1396	380640.5	3735196	8.22E-05	1.27E-05	8.42E-06
1397	380650.5	3735196	8.30E-05	1.28E-05	8.50E-06
1398	380660.5	3735196	8.37E-05	1.29E-05	8.57E-06
1399	380670.5	3735196	8.45E-05	1.30E-05	8.65E-06
1400	380680.5	3735196	8.54E-05	1.32E-05	8.75E-06
1401	380690.5	3735196	8.63E-05	1.33E-05	8.84E-06
1402	380700.5	3735196	8.73E-05	1.34E-05	8.94E-06
1403	380500.5	3735206	7.35E-05	1.13E-05	7.53E-06

1404	380510.5	3735206	7.42E-05	1.14E-05	7.60E-06
1405	380520.5	3735206	7.49E-05	1.15E-05	7.67E-06
1406	380530.5	3735206	7.56E-05	1.16E-05	7.74E-06
1407	380540.5	3735206	7.62E-05	1.17E-05	7.80E-06
1408	380550.5	3735206	7.69E-05	1.18E-05	7.87E-06
1409	380560.5	3735206	7.75E-05	1.19E-05	7.94E-06
1410	380570.5	3735206	7.82E-05	1.21E-05	8.01E-06
1411	380580.5	3735206	7.88E-05	1.21E-05	8.07E-06
1412	380590.5	3735206	7.95E-05	1.23E-05	8.14E-06
1413	380600.5	3735206	8.03E-05	1.24E-05	8.22E-06
1414	380610.5	3735206	8.10E-05	1.25E-05	8.29E-06
1415	380620.5	3735206	8.17E-05	1.26E-05	8.37E-06
1416	380630.5	3735206	8.24E-05	1.27E-05	8.44E-06
1417	380640.5	3735206	8.31E-05	1.28E-05	8.51E-06
1418	380650.5	3735206	8.38E-05	1.29E-05	8.58E-06
1419	380660.5	3735206	8.46E-05	1.30E-05	8.66E-06
1420	380670.5	3735206	8.53E-05	1.32E-05	8.74E-06
1421	380680.5	3735206	8.63E-05	1.33E-05	8.84E-06
1422	380690.5	3735206	8.73E-05	1.34E-05	8.94E-06
1423	380700.5	3735206	8.82E-05	1.36E-05	9.04E-06
1424	380710.5	3735206	8.93E-05	1.38E-05	9.14E-06
1425	380490.5	3735216	7.33E-05	1.13E-05	7.51E-06
1426	380500.5	3735216	7.40E-05	1.14E-05	7.58E-06
1427	380510.5	3735216	7.47E-05	1.15E-05	7.65E-06
1428	380520.5	3735216	7.55E-05	1.16E-05	7.73E-06
1429	380530.5	3735216	7.62E-05	1.17E-05	7.80E-06
1430	380540.5	3735216	7.69E-05	1.18E-05	7.87E-06
1431	380550.5	3735216	7.75E-05	1.19E-05	7.94E-06
1432	380560.5	3735216	7.82E-05	1.21E-05	8.01E-06
1433	380570.5	3735216	7.89E-05	1.22E-05	8.08E-06
1434	380580.5	3735216	7.96E-05	1.23E-05	8.15E-06
1435	380590.5	3735216	8.03E-05	1.24E-05	8.22E-06
1436	380600.5	3735216	8.10E-05	1.25E-05	8.29E-06
1437	380610.5	3735216	8.18E-05	1.26E-05	8.37E-06
1438	380620.5	3735216	8.25E-05	1.27E-05	8.45E-06
1439	380630.5	3735216	8.32E-05	1.28E-05	8.52E-06
1440	380640.5	3735216	8.39E-05	1.29E-05	8.59E-06
1441	380650.5	3735216	8.46E-05	1.30E-05	8.67E-06
1442	380660.5	3735216	8.54E-05	1.32E-05	8.75E-06
1443	380670.5	3735216	8.62E-05	1.33E-05	8.83E-06
1444	380680.5	3735216	8.72E-05	1.34E-05	8.93E-06
1445	380690.5	3735216	8.81E-05	1.36E-05	9.03E-06
1446	380700.5	3735216	8.91E-05	1.37E-05	9.12E-06
1447	380710.5	3735216	9.01E-05	1.39E-05	9.23E-06
1448	380490.5	3735226	7.37E-05	1.14E-05	7.55E-06
1449	380500.5	3735226	7.45E-05	1.15E-05	7.63E-06
1450	380510.5	3735226	7.52E-05	1.16E-05	7.71E-06

1451	380520.5	3735226	7.60E-05	1.17E-05	7.79E-06
1452	380530.5	3735226	7.67E-05	1.18E-05	7.86E-06
1453	380540.5	3735226	7.75E-05	1.19E-05	7.94E-06
1454	380550.5	3735226	7.82E-05	1.21E-05	8.01E-06
1455	380560.5	3735226	7.89E-05	1.22E-05	8.08E-06
1456	380570.5	3735226	7.96E-05	1.23E-05	8.15E-06
1457	380580.5	3735226	8.03E-05	1.24E-05	8.22E-06
1458	380590.5	3735226	8.11E-05	1.25E-05	8.30E-06
1459	380600.5	3735226	8.18E-05	1.26E-05	8.37E-06
1460	380610.5	3735226	8.26E-05	1.27E-05	8.46E-06
1461	380620.5	3735226	8.32E-05	1.28E-05	8.53E-06
1462	380630.5	3735226	8.39E-05	1.29E-05	8.60E-06
1463	380640.5	3735226	8.46E-05	1.30E-05	8.67E-06
1464	380650.5	3735226	8.54E-05	1.32E-05	8.75E-06
1465	380660.5	3735226	8.63E-05	1.33E-05	8.84E-06
1466	380670.5	3735226	8.71E-05	1.34E-05	8.92E-06
1467	380680.5	3735226	8.80E-05	1.36E-05	9.02E-06
1468	380690.5	3735226	8.91E-05	1.37E-05	9.12E-06
1469	380700.5	3735226	9.00E-05	1.39E-05	9.22E-06
1470	380710.5	3735226	9.10E-05	1.40E-05	9.32E-06
1471	380720.5	3735226	9.21E-05	1.42E-05	9.43E-06
1472	380490.5	3735236	7.43E-05	1.14E-05	7.61E-06
1473	380500.5	3735236	7.50E-05	1.16E-05	7.68E-06
1474	380510.5	3735236	7.58E-05	1.17E-05	7.76E-06
1475	380520.5	3735236	7.65E-05	1.18E-05	7.84E-06
1476	380530.5	3735236	7.73E-05	1.19E-05	7.92E-06
1477	380540.5	3735236	7.81E-05	1.20E-05	8.00E-06
1478	380550.5	3735236	7.89E-05	1.22E-05	8.08E-06
1479	380560.5	3735236	7.97E-05	1.23E-05	8.16E-06
1480	380570.5	3735236	8.04E-05	1.24E-05	8.23E-06
1481	380580.5	3735236	8.11E-05	1.25E-05	8.30E-06
1482	380590.5	3735236	8.19E-05	1.26E-05	8.38E-06
1483	380600.5	3735236	8.26E-05	1.27E-05	8.46E-06
1484	380610.5	3735236	8.33E-05	1.28E-05	8.54E-06
1485	380620.5	3735236	8.40E-05	1.30E-05	8.61E-06
1486	380630.5	3735236	8.47E-05	1.31E-05	8.68E-06
1487	380640.5	3735236	8.54E-05	1.32E-05	8.75E-06
1488	380650.5	3735236	8.63E-05	1.33E-05	8.84E-06
1489	380660.5	3735236	8.72E-05	1.34E-05	8.93E-06
1490	380670.5	3735236	8.80E-05	1.36E-05	9.02E-06
1491	380680.5	3735236	8.90E-05	1.37E-05	9.12E-06
1492	380690.5	3735236	9.00E-05	1.39E-05	9.21E-06
1493	380700.5	3735236	9.10E-05	1.40E-05	9.32E-06
1494	380710.5	3735236	9.20E-05	1.42E-05	9.42E-06
1495	380720.5	3735236	9.29E-05	1.43E-05	9.52E-06
1496	380730.5	3735236	9.40E-05	1.45E-05	9.62E-06
1497	380480.5	3735246	7.42E-05	1.14E-05	7.60E-06

1498	380490.5	3735246	7.48E-05	1.15E-05	7.66E-06
1499	380500.5	3735246	7.56E-05	1.16E-05	7.74E-06
1500	380510.5	3735246	7.64E-05	1.18E-05	7.82E-06
1501	380520.5	3735246	7.71E-05	1.19E-05	7.90E-06
1502	380530.5	3735246	7.79E-05	1.20E-05	7.98E-06
1503	380540.5	3735246	7.88E-05	1.21E-05	8.07E-06
1504	380550.5	3735246	7.96E-05	1.23E-05	8.15E-06
1505	380560.5	3735246	8.04E-05	1.24E-05	8.23E-06
1506	380570.5	3735246	8.12E-05	1.25E-05	8.31E-06
1507	380580.5	3735246	8.19E-05	1.26E-05	8.39E-06
1508	380590.5	3735246	8.27E-05	1.27E-05	8.47E-06
1509	380600.5	3735246	8.34E-05	1.29E-05	8.54E-06
1510	380610.5	3735246	8.42E-05	1.30E-05	8.62E-06
1511	380620.5	3735246	8.49E-05	1.31E-05	8.70E-06
1512	380630.5	3735246	8.56E-05	1.32E-05	8.77E-06
1513	380640.5	3735246	8.63E-05	1.33E-05	8.84E-06
1514	380650.5	3735246	8.72E-05	1.34E-05	8.93E-06
1515	380660.5	3735246	8.81E-05	1.36E-05	9.03E-06
1516	380670.5	3735246	8.90E-05	1.37E-05	9.12E-06
1517	380680.5	3735246	9.00E-05	1.39E-05	9.22E-06
1518	380690.5	3735246	9.10E-05	1.40E-05	9.32E-06
1519	380700.5	3735246	9.21E-05	1.42E-05	9.43E-06
1520	380710.5	3735246	9.30E-05	1.43E-05	9.53E-06
1521	380720.5	3735246	9.40E-05	1.45E-05	9.62E-06
1522	380730.5	3735246	9.49E-05	1.46E-05	9.72E-06
1523	380480.5	3735256	7.49E-05	1.15E-05	7.67E-06
1524	380490.5	3735256	7.55E-05	1.16E-05	7.73E-06
1525	380500.5	3735256	7.63E-05	1.18E-05	7.81E-06
1526	380510.5	3735256	7.71E-05	1.19E-05	7.89E-06
1527	380520.5	3735256	7.78E-05	1.20E-05	7.97E-06
1528	380530.5	3735256	7.86E-05	1.21E-05	8.05E-06
1529	380540.5	3735256	7.95E-05	1.23E-05	8.14E-06
1530	380550.5	3735256	8.03E-05	1.24E-05	8.22E-06
1531	380560.5	3735256	8.12E-05	1.25E-05	8.31E-06
1532	380570.5	3735256	8.19E-05	1.26E-05	8.39E-06
1533	380580.5	3735256	8.28E-05	1.28E-05	8.48E-06
1534	380590.5	3735256	8.36E-05	1.29E-05	8.56E-06
1535	380600.5	3735256	8.43E-05	1.30E-05	8.63E-06
1536	380610.5	3735256	8.51E-05	1.31E-05	8.71E-06
1537	380620.5	3735256	8.58E-05	1.32E-05	8.79E-06
1538	380630.5	3735256	8.65E-05	1.33E-05	8.86E-06
1539	380640.5	3735256	8.73E-05	1.34E-05	8.94E-06
1540	380650.5	3735256	8.82E-05	1.36E-05	9.04E-06
1541	380660.5	3735256	8.92E-05	1.37E-05	9.13E-06
1542	380670.5	3735256	9.00E-05	1.39E-05	9.22E-06
1543	380680.5	3735256	9.11E-05	1.40E-05	9.33E-06
1544	380690.5	3735256	9.21E-05	1.42E-05	9.43E-06

1545	380700.5	3735256	9.31E-05	1.43E-05	9.54E-06
1546	380710.5	3735256	9.41E-05	1.45E-05	9.63E-06
1547	380720.5	3735256	9.51E-05	1.47E-05	9.74E-06
1548	380480.5	3735266	7.56E-05	1.16E-05	7.74E-06
1549	380490.5	3735266	7.62E-05	1.17E-05	7.80E-06
1550	380500.5	3735266	7.70E-05	1.19E-05	7.88E-06
1551	380510.5	3735266	7.78E-05	1.20E-05	7.96E-06
1552	380520.5	3735266	7.85E-05	1.21E-05	8.04E-06
1553	380530.5	3735266	7.93E-05	1.22E-05	8.12E-06
1554	380540.5	3735266	8.01E-05	1.23E-05	8.21E-06
1555	380550.5	3735266	8.10E-05	1.25E-05	8.29E-06
1556	380560.5	3735266	8.19E-05	1.26E-05	8.38E-06
1557	380570.5	3735266	8.28E-05	1.28E-05	8.48E-06
1558	380580.5	3735266	8.37E-05	1.29E-05	8.57E-06
1559	380590.5	3735266	8.45E-05	1.30E-05	8.65E-06
1560	380600.5	3735266	8.53E-05	1.31E-05	8.73E-06
1561	380610.5	3735266	8.60E-05	1.32E-05	8.80E-06
1562	380620.5	3735266	8.67E-05	1.34E-05	8.88E-06
1563	380630.5	3735266	8.74E-05	1.35E-05	8.96E-06
1564	380640.5	3735266	8.82E-05	1.36E-05	9.04E-06
1565	380650.5	3735266	8.92E-05	1.37E-05	9.13E-06
1566	380660.5	3735266	9.01E-05	1.39E-05	9.23E-06
1567	380670.5	3735266	9.12E-05	1.41E-05	9.34E-06
1568	380680.5	3735266	9.21E-05	1.42E-05	9.44E-06
1569	380690.5	3735266	9.32E-05	1.44E-05	9.54E-06
1570	380700.5	3735266	9.42E-05	1.45E-05	9.65E-06
1571	380710.5	3735266	9.52E-05	1.47E-05	9.75E-06
1572	380720.5	3735266	9.62E-05	1.48E-05	9.86E-06
1573	380740.5	3735266	9.83E-05	1.52E-05	1.01E-05
1574	380650.5	3735276	9.03E-05	1.39E-05	9.25E-06
1575	380660.5	3735276	9.14E-05	1.41E-05	9.36E-06
1576	380670.5	3735276	9.24E-05	1.42E-05	9.46E-06
1577	380680.5	3735276	9.34E-05	1.44E-05	9.57E-06
1578	380690.5	3735276	9.45E-05	1.46E-05	9.68E-06
1579	380700.5	3735276	9.55E-05	1.47E-05	9.79E-06
1580	380710.5	3735276	9.65E-05	1.49E-05	9.88E-06
1581	380740.5	3735276	9.96E-05	1.54E-05	1.02E-05
1582	380670.5	3735286	9.39E-05	1.45E-05	9.62E-06
1583	380680.5	3735286	9.49E-05	1.46E-05	9.72E-06
1584	380470.5	3735296	7.71E-05	1.19E-05	7.89E-06
1585	380480.5	3735296	7.78E-05	1.20E-05	7.96E-06
1586	380490.5	3735296	7.85E-05	1.21E-05	8.04E-06
1587	380500.5	3735296	7.92E-05	1.22E-05	8.11E-06
1588	380510.5	3735296	7.98E-05	1.23E-05	8.18E-06
1589	380520.5	3735296	8.06E-05	1.24E-05	8.26E-06
1590	380530.5	3735296	8.15E-05	1.26E-05	8.35E-06
1591	380540.5	3735296	8.24E-05	1.27E-05	8.44E-06

1592	380550.5	3735296	8.32E-05	1.28E-05	8.53E-06
1593	380560.5	3735296	8.43E-05	1.30E-05	8.63E-06
1594	380570.5	3735296	8.53E-05	1.31E-05	8.73E-06
1595	380580.5	3735296	8.62E-05	1.33E-05	8.83E-06
1596	380590.5	3735296	8.72E-05	1.34E-05	8.93E-06
1597	380470.5	3735306	7.78E-05	1.20E-05	7.96E-06
1598	380480.5	3735306	7.85E-05	1.21E-05	8.04E-06
1599	380490.5	3735306	7.92E-05	1.22E-05	8.12E-06
1600	380500.5	3735306	7.99E-05	1.23E-05	8.19E-06
1601	380510.5	3735306	8.07E-05	1.24E-05	8.27E-06
1602	380520.5	3735306	8.14E-05	1.25E-05	8.34E-06
1603	380530.5	3735306	8.23E-05	1.27E-05	8.43E-06
1604	380540.5	3735306	8.32E-05	1.28E-05	8.52E-06
1605	380550.5	3735306	8.41E-05	1.30E-05	8.62E-06
1606	380560.5	3735306	8.51E-05	1.31E-05	8.71E-06
1607	380570.5	3735306	8.61E-05	1.33E-05	8.82E-06
1608	380580.5	3735306	8.72E-05	1.34E-05	8.93E-06
1609	380590.5	3735306	8.81E-05	1.36E-05	9.03E-06
1610	380470.5	3735316	7.85E-05	1.21E-05	8.04E-06
1611	380480.5	3735316	7.92E-05	1.22E-05	8.12E-06
1612	380490.5	3735316	7.99E-05	1.23E-05	8.19E-06
1613	380500.5	3735316	8.07E-05	1.24E-05	8.27E-06
1614	380510.5	3735316	8.15E-05	1.26E-05	8.35E-06
1615	380520.5	3735316	8.23E-05	1.27E-05	8.43E-06
1616	380530.5	3735316	8.32E-05	1.28E-05	8.52E-06
1617	380540.5	3735316	8.40E-05	1.30E-05	8.61E-06
1618	380550.5	3735316	8.49E-05	1.31E-05	8.70E-06
1619	380560.5	3735316	8.60E-05	1.32E-05	8.80E-06
1620	380570.5	3735316	8.70E-05	1.34E-05	8.91E-06
1621	380580.5	3735316	8.80E-05	1.36E-05	9.02E-06
1622	380590.5	3735316	8.91E-05	1.37E-05	9.12E-06
1623	380470.5	3735326	7.92E-05	1.22E-05	8.11E-06
1624	380480.5	3735326	7.99E-05	1.23E-05	8.19E-06
1625	380490.5	3735326	8.07E-05	1.24E-05	8.27E-06
1626	380500.5	3735326	8.16E-05	1.26E-05	8.36E-06
1627	380510.5	3735326	8.24E-05	1.27E-05	8.44E-06
1628	380520.5	3735326	8.32E-05	1.28E-05	8.52E-06
1629	380530.5	3735326	8.40E-05	1.30E-05	8.61E-06
1630	380540.5	3735326	8.49E-05	1.31E-05	8.70E-06
1631	380550.5	3735326	8.58E-05	1.32E-05	8.79E-06
1632	380560.5	3735326	8.68E-05	1.34E-05	8.89E-06
1633	380570.5	3735326	8.79E-05	1.35E-05	9.00E-06
1634	380580.5	3735326	8.89E-05	1.37E-05	9.11E-06
1635	380590.5	3735326	9.01E-05	1.39E-05	9.23E-06
1636	380470.5	3735336	7.99E-05	1.23E-05	8.19E-06
1637	380480.5	3735336	8.07E-05	1.24E-05	8.27E-06
1638	380490.5	3735336	8.16E-05	1.26E-05	8.36E-06

1639	380500.5	3735336	8.24E-05	1.27E-05	8.44E-06
1640	380510.5	3735336	8.32E-05	1.28E-05	8.53E-06
1641	380520.5	3735336	8.40E-05	1.30E-05	8.61E-06
1642	380530.5	3735336	8.49E-05	1.31E-05	8.70E-06
1643	380540.5	3735336	8.57E-05	1.32E-05	8.78E-06
1644	380550.5	3735336	8.66E-05	1.33E-05	8.87E-06
1645	380560.5	3735336	8.76E-05	1.35E-05	8.97E-06
1646	380570.5	3735336	8.87E-05	1.37E-05	9.09E-06
1647	380580.5	3735336	8.98E-05	1.38E-05	9.20E-06
1648	380590.5	3735336	9.10E-05	1.40E-05	9.32E-06
1649	380470.5	3735346	8.07E-05	1.24E-05	8.27E-06
1650	380480.5	3735346	8.15E-05	1.26E-05	8.35E-06
1651	380490.5	3735346	8.24E-05	1.27E-05	8.44E-06
1652	380500.5	3735346	8.32E-05	1.28E-05	8.53E-06
1653	380510.5	3735346	8.40E-05	1.30E-05	8.61E-06
1654	380520.5	3735346	8.49E-05	1.31E-05	8.70E-06
1655	380530.5	3735346	8.58E-05	1.32E-05	8.79E-06
1656	380540.5	3735346	8.66E-05	1.33E-05	8.87E-06
1657	380550.5	3735346	8.74E-05	1.35E-05	8.96E-06
1658	380560.5	3735346	8.85E-05	1.36E-05	9.06E-06
1659	380570.5	3735346	8.95E-05	1.38E-05	9.17E-06
1660	380580.5	3735346	9.06E-05	1.40E-05	9.28E-06
1661	380590.5	3735346	9.19E-05	1.42E-05	9.41E-06
1662	380600.5	3735346	9.32E-05	1.44E-05	9.54E-06
1663	380470.5	3735356	8.15E-05	1.26E-05	8.35E-06
1664	380480.5	3735356	8.24E-05	1.27E-05	8.44E-06
1665	380490.5	3735356	8.32E-05	1.28E-05	8.53E-06
1666	380500.5	3735356	8.41E-05	1.30E-05	8.62E-06
1667	380510.5	3735356	8.50E-05	1.31E-05	8.71E-06
1668	380520.5	3735356	8.58E-05	1.32E-05	8.79E-06
1669	380530.5	3735356	8.66E-05	1.34E-05	8.87E-06
1670	380540.5	3735356	8.74E-05	1.35E-05	8.96E-06
1671	380550.5	3735356	8.82E-05	1.36E-05	9.04E-06
1672	380560.5	3735356	8.93E-05	1.38E-05	9.14E-06
1673	380570.5	3735356	9.03E-05	1.39E-05	9.25E-06
1674	380580.5	3735356	9.14E-05	1.41E-05	9.36E-06
1675	380590.5	3735356	9.28E-05	1.43E-05	9.50E-06
1676	380600.5	3735356	9.41E-05	1.45E-05	9.64E-06
1677	380470.5	3735366	8.23E-05	1.27E-05	8.43E-06
1678	380480.5	3735366	8.32E-05	1.28E-05	8.53E-06
1679	380490.5	3735366	8.41E-05	1.30E-05	8.62E-06
1680	380500.5	3735366	8.50E-05	1.31E-05	8.71E-06
1681	380510.5	3735366	8.58E-05	1.32E-05	8.79E-06
1682	380520.5	3735366	8.66E-05	1.34E-05	8.87E-06
1683	380530.5	3735366	8.75E-05	1.35E-05	8.96E-06
1684	380540.5	3735366	8.83E-05	1.36E-05	9.04E-06
1685	380550.5	3735366	8.91E-05	1.37E-05	9.12E-06

1686	380560.5	3735366	9.02E-05	1.39E-05	9.24E-06
1687	380570.5	3735366	9.13E-05	1.41E-05	9.35E-06
1688	380580.5	3735366	9.23E-05	1.42E-05	9.46E-06
1689	380590.5	3735366	9.38E-05	1.45E-05	9.61E-06
1690	380600.5	3735366	9.52E-05	1.47E-05	9.75E-06
1691	380470.5	3735376	8.32E-05	1.28E-05	8.52E-06
1692	380480.5	3735376	8.41E-05	1.30E-05	8.62E-06
1693	380490.5	3735376	8.51E-05	1.31E-05	8.71E-06
1694	380500.5	3735376	8.59E-05	1.32E-05	8.79E-06
1695	380510.5	3735376	8.66E-05	1.34E-05	8.87E-06
1696	380520.5	3735376	8.75E-05	1.35E-05	8.96E-06
1697	380530.5	3735376	8.83E-05	1.36E-05	9.04E-06
1698	380540.5	3735376	8.92E-05	1.37E-05	9.13E-06
1699	380550.5	3735376	9.00E-05	1.39E-05	9.22E-06
1700	380560.5	3735376	9.12E-05	1.41E-05	9.34E-06
1701	380570.5	3735376	9.23E-05	1.42E-05	9.46E-06
1702	380580.5	3735376	9.34E-05	1.44E-05	9.57E-06
1703	380590.5	3735376	9.49E-05	1.46E-05	9.72E-06
1704	380600.5	3735376	9.64E-05	1.49E-05	9.87E-06
1705	380470.5	3735386	8.41E-05	1.30E-05	8.62E-06
1706	380480.5	3735386	8.51E-05	1.31E-05	8.71E-06
1707	380490.5	3735386	8.60E-05	1.33E-05	8.81E-06
1708	380500.5	3735386	8.68E-05	1.34E-05	8.89E-06
1709	380510.5	3735386	8.76E-05	1.35E-05	8.97E-06
1710	380520.5	3735386	8.84E-05	1.36E-05	9.05E-06
1711	380530.5	3735386	8.93E-05	1.38E-05	9.14E-06
1712	380540.5	3735386	9.01E-05	1.39E-05	9.23E-06
1713	380550.5	3735386	9.10E-05	1.40E-05	9.32E-06
1714	380560.5	3735386	9.21E-05	1.42E-05	9.44E-06
1715	380570.5	3735386	9.34E-05	1.44E-05	9.56E-06
1716	380580.5	3735386	9.45E-05	1.46E-05	9.68E-06
1717	380470.5	3735396	8.53E-05	1.32E-05	8.74E-06
1718	380480.5	3735396	8.63E-05	1.33E-05	8.84E-06
1719	380490.5	3735396	8.73E-05	1.34E-05	8.94E-06
1720	380500.5	3735396	8.80E-05	1.36E-05	9.02E-06
1721	380510.5	3735396	8.87E-05	1.37E-05	9.09E-06
1722	380520.5	3735396	8.95E-05	1.38E-05	9.17E-06
1723	380530.5	3735396	9.04E-05	1.39E-05	9.26E-06
1724	380540.5	3735396	9.13E-05	1.41E-05	9.35E-06
1725	380550.5	3735396	9.21E-05	1.42E-05	9.44E-06
1726	380560.5	3735396	9.34E-05	1.44E-05	9.56E-06
1727	380570.5	3735396	9.46E-05	1.46E-05	9.69E-06
1728	380470.5	3735406	8.67E-05	1.34E-05	8.88E-06
1729	380480.5	3735406	8.77E-05	1.35E-05	8.98E-06
1730	380490.5	3735406	8.87E-05	1.37E-05	9.08E-06
1731	380500.5	3735406	8.94E-05	1.38E-05	9.16E-06
1732	380510.5	3735406	9.02E-05	1.39E-05	9.24E-06

1733	380520.5	3735406	9.10E-05	1.40E-05	9.32E-06
1734	380530.5	3735406	9.18E-05	1.41E-05	9.40E-06
1735	380540.5	3735406	9.26E-05	1.43E-05	9.48E-06
1736	380550.5	3735406	9.34E-05	1.44E-05	9.57E-06
1737	380470.5	3735416	8.82E-05	1.36E-05	9.04E-06
1738	380480.5	3735416	8.92E-05	1.37E-05	9.13E-06
1739	380490.5	3735416	9.00E-05	1.39E-05	9.22E-06
1740	380500.5	3735416	9.09E-05	1.40E-05	9.31E-06
1741	380510.5	3735416	9.17E-05	1.41E-05	9.39E-06
1742	380520.5	3735416	9.26E-05	1.43E-05	9.48E-06
1743	380530.5	3735416	9.33E-05	1.44E-05	9.55E-06
1744	380540.5	3735416	9.40E-05	1.45E-05	9.62E-06
1745	380508.6	3735428	9.36E-05	1.44E-05	9.59E-06
1746	380755.2	3735274	1.01E-04	1.56E-05	1.03E-05
1747	380766	3735265	1.01E-04	1.56E-05	1.04E-05
1748	381012.3	3735350	1.45E-04	2.23E-05	1.48E-05
1749	381038.3	3735350	1.49E-04	2.29E-05	1.52E-05
1750	381011.6	3735332	1.36E-04	2.10E-05	1.39E-05
1751	381036.2	3735330	1.38E-04	2.12E-05	1.41E-05
1752	381061.5	3735332	1.41E-04	2.17E-05	1.44E-05
1753	381076.9	3735323	1.41E-04	2.17E-05	1.44E-05
1754	381090.3	3735311	1.39E-04	2.13E-05	1.42E-05
1755	381093.8	3735292	1.35E-04	2.07E-05	1.38E-05
1756	381094.5	3735274	1.32E-04	2.03E-05	1.35E-05
1757	381081.8	3735247	1.27E-04	1.95E-05	1.30E-05
1758	381072.7	3735233	1.24E-04	1.90E-05	1.27E-05
1759	381052.3	3735222	1.20E-04	1.85E-05	1.23E-05
1760	381038.3	3735226	1.19E-04	1.84E-05	1.22E-05
1761	381040.4	3735252	1.23E-04	1.90E-05	1.26E-05
1762	381036.9	3735268	1.26E-04	1.94E-05	1.29E-05
1763	381050.9	3735256	1.25E-04	1.93E-05	1.28E-05
1764	381069.9	3735250	1.26E-04	1.94E-05	1.29E-05
1765	381053	3735296	1.32E-04	2.04E-05	1.35E-05
1766	381069.9	3735308	1.36E-04	2.09E-05	1.39E-05
1767	381007	3735349	1.43E-04	2.20E-05	1.46E-05
1768	381020.2	3735353	1.47E-04	2.27E-05	1.51E-05
1769	381031.5	3735356	1.49E-04	2.30E-05	1.53E-05
1770	381015.4	3735331	1.36E-04	2.09E-05	1.39E-05
1771	381029	3735339	1.41E-04	2.18E-05	1.45E-05
1772	381046.9	3735345	1.45E-04	2.24E-05	1.49E-05
1773	381062.7	3735340	1.43E-04	2.21E-05	1.47E-05
1774	381059.8	3735318	1.37E-04	2.11E-05	1.40E-05
1775	381084	3735330	1.44E-04	2.22E-05	1.47E-05
1776	381073.7	3735315	1.38E-04	2.13E-05	1.41E-05
1777	381102.3	3735309	1.39E-04	2.15E-05	1.43E-05
1778	381080	3735300	1.35E-04	2.08E-05	1.38E-05
1779	381104.9	3735283	1.34E-04	2.07E-05	1.38E-05

1780	381074.5	3735282	1.31E-04	2.03E-05	1.35E-05
1781	381420.1	3734698	8.47E-05	1.31E-05	8.68E-06
1782	381430.1	3734698	8.51E-05	1.31E-05	8.71E-06
1783	381440.1	3734698	8.54E-05	1.32E-05	8.75E-06
1784	381450.1	3734698	8.58E-05	1.32E-05	8.79E-06
1785	381090.1	3734708	7.22E-05	1.11E-05	7.39E-06
1786	381100.1	3734708	7.26E-05	1.12E-05	7.44E-06
1787	381110.1	3734708	7.30E-05	1.13E-05	7.48E-06
1788	381120.1	3734708	7.35E-05	1.13E-05	7.53E-06
1789	381130.1	3734708	7.38E-05	1.14E-05	7.56E-06
1790	381140.1	3734708	7.43E-05	1.14E-05	7.61E-06
1791	381150.1	3734708	7.46E-05	1.15E-05	7.64E-06
1792	381160.1	3734708	7.51E-05	1.16E-05	7.69E-06
1793	381170.1	3734708	7.54E-05	1.16E-05	7.72E-06
1794	381180.1	3734708	7.58E-05	1.17E-05	7.76E-06
1795	381190.1	3734708	7.61E-05	1.17E-05	7.79E-06
1796	381200.1	3734708	7.65E-05	1.18E-05	7.84E-06
1797	381210.1	3734708	7.69E-05	1.18E-05	7.87E-06
1798	381220.1	3734708	7.73E-05	1.19E-05	7.92E-06
1799	381230.1	3734708	7.77E-05	1.20E-05	7.96E-06
1800	381240.1	3734708	7.80E-05	1.20E-05	7.99E-06
1801	381250.1	3734708	7.85E-05	1.21E-05	8.04E-06
1802	381260.1	3734708	7.88E-05	1.21E-05	8.07E-06
1803	381270.1	3734708	7.92E-05	1.22E-05	8.11E-06
1804	381280.1	3734708	7.95E-05	1.23E-05	8.14E-06
1805	381290.1	3734708	7.98E-05	1.23E-05	8.18E-06
1806	381300.1	3734708	8.02E-05	1.24E-05	8.21E-06
1807	381310.1	3734708	8.06E-05	1.24E-05	8.26E-06
1808	381320.1	3734708	8.11E-05	1.25E-05	8.30E-06
1809	381330.1	3734708	8.15E-05	1.26E-05	8.35E-06
1810	381340.1	3734708	8.20E-05	1.26E-05	8.40E-06
1811	381350.1	3734708	8.25E-05	1.27E-05	8.45E-06
1812	381360.1	3734708	8.30E-05	1.28E-05	8.50E-06
1813	381370.1	3734708	8.33E-05	1.28E-05	8.54E-06
1814	381380.1	3734708	8.38E-05	1.29E-05	8.58E-06
1815	381390.1	3734708	8.42E-05	1.30E-05	8.62E-06
1816	381400.1	3734708	8.46E-05	1.30E-05	8.66E-06
1817	381410.1	3734708	8.50E-05	1.31E-05	8.71E-06
1818	381420.1	3734708	8.54E-05	1.32E-05	8.75E-06
1819	381430.1	3734708	8.58E-05	1.32E-05	8.79E-06
1820	381440.1	3734708	8.61E-05	1.33E-05	8.82E-06
1821	381450.1	3734708	8.66E-05	1.33E-05	8.87E-06
1822	380750.1	3734718	5.97E-05	9.20E-06	6.12E-06
1823	380760.1	3734718	6.01E-05	9.26E-06	6.15E-06
1824	380770.1	3734718	6.04E-05	9.31E-06	6.19E-06
1825	380780.1	3734718	6.08E-05	9.36E-06	6.22E-06
1826	380790.1	3734718	6.11E-05	9.42E-06	6.26E-06

1827	380800.1	3734718	6.15E-05	9.47E-06	6.29E-06
1828	380810.1	3734718	6.17E-05	9.51E-06	6.32E-06
1829	380820.1	3734718	6.21E-05	9.57E-06	6.36E-06
1830	380830.1	3734718	6.23E-05	9.61E-06	6.38E-06
1831	380840.1	3734718	6.27E-05	9.66E-06	6.42E-06
1832	380850.1	3734718	6.29E-05	9.70E-06	6.45E-06
1833	380860.1	3734718	6.34E-05	9.77E-06	6.49E-06
1834	380870.1	3734718	6.37E-05	9.82E-06	6.53E-06
1835	380880.1	3734718	6.41E-05	9.87E-06	6.56E-06
1836	380890.1	3734718	6.45E-05	9.94E-06	6.61E-06
1837	380900.1	3734718	6.49E-05	1.00E-05	6.65E-06
1838	380910.1	3734718	6.54E-05	1.01E-05	6.70E-06
1839	380920.1	3734718	6.57E-05	1.01E-05	6.73E-06
1840	380930.1	3734718	6.62E-05	1.02E-05	6.78E-06
1841	380940.1	3734718	6.65E-05	1.03E-05	6.81E-06
1842	380950.1	3734718	6.69E-05	1.03E-05	6.85E-06
1843	380960.1	3734718	6.73E-05	1.04E-05	6.89E-06
1844	380970.1	3734718	6.76E-05	1.04E-05	6.93E-06
1845	380980.1	3734718	6.80E-05	1.05E-05	6.96E-06
1846	380990.1	3734718	6.84E-05	1.05E-05	7.01E-06
1847	381000.1	3734718	6.88E-05	1.06E-05	7.04E-06
1848	381010.1	3734718	6.92E-05	1.07E-05	7.09E-06
1849	381020.1	3734718	6.96E-05	1.07E-05	7.13E-06
1850	381030.1	3734718	7.01E-05	1.08E-05	7.18E-06
1851	381040.1	3734718	7.05E-05	1.09E-05	7.22E-06
1852	381050.1	3734718	7.10E-05	1.09E-05	7.28E-06
1853	381060.1	3734718	7.15E-05	1.10E-05	7.32E-06
1854	381070.1	3734718	7.19E-05	1.11E-05	7.37E-06
1855	381080.1	3734718	7.24E-05	1.12E-05	7.41E-06
1856	381090.1	3734718	7.28E-05	1.12E-05	7.46E-06
1857	381100.1	3734718	7.32E-05	1.13E-05	7.50E-06
1858	381110.1	3734718	7.37E-05	1.14E-05	7.54E-06
1859	381120.1	3734718	7.40E-05	1.14E-05	7.58E-06
1860	381130.1	3734718	7.44E-05	1.15E-05	7.62E-06
1861	381140.1	3734718	7.49E-05	1.15E-05	7.67E-06
1862	381150.1	3734718	7.52E-05	1.16E-05	7.71E-06
1863	381160.1	3734718	7.57E-05	1.17E-05	7.75E-06
1864	381170.1	3734718	7.60E-05	1.17E-05	7.79E-06
1865	381180.1	3734718	7.64E-05	1.18E-05	7.82E-06
1866	381190.1	3734718	7.67E-05	1.18E-05	7.86E-06
1867	381200.1	3734718	7.71E-05	1.19E-05	7.90E-06
1868	381210.1	3734718	7.75E-05	1.19E-05	7.94E-06
1869	381220.1	3734718	7.78E-05	1.20E-05	7.97E-06
1870	381230.1	3734718	7.83E-05	1.21E-05	8.02E-06
1871	381240.1	3734718	7.86E-05	1.21E-05	8.05E-06
1872	381250.1	3734718	7.91E-05	1.22E-05	8.10E-06
1873	381260.1	3734718	7.94E-05	1.22E-05	8.13E-06

1874	381270.1	3734718	7.98E-05	1.23E-05	8.17E-06
1875	381280.1	3734718	8.01E-05	1.23E-05	8.21E-06
1876	381290.1	3734718	8.05E-05	1.24E-05	8.24E-06
1877	381300.1	3734718	8.09E-05	1.25E-05	8.29E-06
1878	381310.1	3734718	8.13E-05	1.25E-05	8.33E-06
1879	381320.1	3734718	8.18E-05	1.26E-05	8.37E-06
1880	381330.1	3734718	8.22E-05	1.27E-05	8.42E-06
1881	381340.1	3734718	8.26E-05	1.27E-05	8.46E-06
1882	381350.1	3734718	8.31E-05	1.28E-05	8.51E-06
1883	381360.1	3734718	8.36E-05	1.29E-05	8.56E-06
1884	381370.1	3734718	8.40E-05	1.30E-05	8.61E-06
1885	381380.1	3734718	8.44E-05	1.30E-05	8.64E-06
1886	381390.1	3734718	8.49E-05	1.31E-05	8.70E-06
1887	381400.1	3734718	8.53E-05	1.32E-05	8.74E-06
1888	381410.1	3734718	8.58E-05	1.32E-05	8.79E-06
1889	381420.1	3734718	8.62E-05	1.33E-05	8.83E-06
1890	381430.1	3734718	8.66E-05	1.33E-05	8.87E-06
1891	381440.1	3734718	8.69E-05	1.34E-05	8.90E-06
1892	381450.1	3734718	8.73E-05	1.35E-05	8.95E-06
1893	380410.1	3734728	5.06E-05	7.81E-06	5.19E-06
1894	380420.1	3734728	5.10E-05	7.86E-06	5.22E-06
1895	380430.1	3734728	5.13E-05	7.90E-06	5.25E-06
1896	380440.1	3734728	5.15E-05	7.94E-06	5.28E-06
1897	380450.1	3734728	5.19E-05	7.99E-06	5.31E-06
1898	380460.1	3734728	5.21E-05	8.03E-06	5.34E-06
1899	380470.1	3734728	5.24E-05	8.07E-06	5.37E-06
1900	380480.1	3734728	5.27E-05	8.11E-06	5.39E-06
1901	380490.1	3734728	5.29E-05	8.16E-06	5.42E-06
1902	380500.1	3734728	5.32E-05	8.20E-06	5.45E-06
1903	380510.1	3734728	5.34E-05	8.24E-06	5.47E-06
1904	380520.1	3734728	5.37E-05	8.28E-06	5.50E-06
1905	380530.1	3734728	5.40E-05	8.32E-06	5.53E-06
1906	380540.1	3734728	5.42E-05	8.36E-06	5.55E-06
1907	380550.1	3734728	5.45E-05	8.40E-06	5.58E-06
1908	380560.1	3734728	5.47E-05	8.44E-06	5.61E-06
1909	380570.1	3734728	5.51E-05	8.49E-06	5.64E-06
1910	380580.1	3734728	5.54E-05	8.53E-06	5.67E-06
1911	380590.1	3734728	5.56E-05	8.57E-06	5.70E-06
1912	380600.1	3734728	5.59E-05	8.61E-06	5.72E-06
1913	380610.1	3734728	5.62E-05	8.67E-06	5.76E-06
1914	380620.1	3734728	5.66E-05	8.72E-06	5.79E-06
1915	380630.1	3734728	5.69E-05	8.77E-06	5.83E-06
1916	380640.1	3734728	5.73E-05	8.83E-06	5.87E-06
1917	380650.1	3734728	5.75E-05	8.87E-06	5.89E-06
1918	380660.1	3734728	5.78E-05	8.91E-06	5.92E-06
1919	380670.1	3734728	5.81E-05	8.96E-06	5.96E-06
1920	380680.1	3734728	5.83E-05	8.99E-06	5.97E-06

1921	380690.1	3734728	5.86E-05	9.03E-06	6.00E-06
1922	380700.1	3734728	5.88E-05	9.07E-06	6.03E-06
1923	380710.1	3734728	5.90E-05	9.10E-06	6.04E-06
1924	380720.1	3734728	5.93E-05	9.14E-06	6.07E-06
1925	380730.1	3734728	5.95E-05	9.18E-06	6.10E-06
1926	380740.1	3734728	5.98E-05	9.22E-06	6.12E-06
1927	380750.1	3734728	6.01E-05	9.27E-06	6.16E-06
1928	380760.1	3734728	6.05E-05	9.32E-06	6.20E-06
1929	380770.1	3734728	6.08E-05	9.38E-06	6.23E-06
1930	380780.1	3734728	6.12E-05	9.43E-06	6.27E-06
1931	380790.1	3734728	6.15E-05	9.49E-06	6.30E-06
1932	380800.1	3734728	6.19E-05	9.54E-06	6.34E-06
1933	380810.1	3734728	6.22E-05	9.59E-06	6.37E-06
1934	380820.1	3734728	6.25E-05	9.63E-06	6.40E-06
1935	380830.1	3734728	6.29E-05	9.69E-06	6.44E-06
1936	380840.1	3734728	6.31E-05	9.73E-06	6.46E-06
1937	380850.1	3734728	6.35E-05	9.78E-06	6.50E-06
1938	380860.1	3734728	6.38E-05	9.83E-06	6.54E-06
1939	380870.1	3734728	6.42E-05	9.89E-06	6.57E-06
1940	380880.1	3734728	6.45E-05	9.94E-06	6.61E-06
1941	380890.1	3734728	6.49E-05	1.00E-05	6.65E-06
1942	380900.1	3734728	6.54E-05	1.01E-05	6.70E-06
1943	380910.1	3734728	6.59E-05	1.02E-05	6.75E-06
1944	380920.1	3734728	6.63E-05	1.02E-05	6.79E-06
1945	380930.1	3734728	6.67E-05	1.03E-05	6.83E-06
1946	380940.1	3734728	6.70E-05	1.03E-05	6.87E-06
1947	380950.1	3734728	6.74E-05	1.04E-05	6.90E-06
1948	380960.1	3734728	6.78E-05	1.05E-05	6.95E-06
1949	380970.1	3734728	6.82E-05	1.05E-05	6.98E-06
1950	380980.1	3734728	6.85E-05	1.06E-05	7.02E-06
1951	380990.1	3734728	6.90E-05	1.06E-05	7.06E-06
1952	381000.1	3734728	6.93E-05	1.07E-05	7.10E-06
1953	381010.1	3734728	6.98E-05	1.08E-05	7.15E-06
1954	381020.1	3734728	7.03E-05	1.08E-05	7.20E-06
1955	381030.1	3734728	7.07E-05	1.09E-05	7.24E-06
1956	381040.1	3734728	7.11E-05	1.10E-05	7.29E-06
1957	381050.1	3734728	7.16E-05	1.10E-05	7.33E-06
1958	381060.1	3734728	7.21E-05	1.11E-05	7.38E-06
1959	381070.1	3734728	7.25E-05	1.12E-05	7.43E-06
1960	381080.1	3734728	7.30E-05	1.12E-05	7.47E-06
1961	381090.1	3734728	7.34E-05	1.13E-05	7.52E-06
1962	381100.1	3734728	7.38E-05	1.14E-05	7.56E-06
1963	381110.1	3734728	7.42E-05	1.14E-05	7.60E-06
1964	381120.1	3734728	7.46E-05	1.15E-05	7.64E-06
1965	381130.1	3734728	7.51E-05	1.16E-05	7.69E-06
1966	381140.1	3734728	7.55E-05	1.16E-05	7.73E-06
1967	381150.1	3734728	7.58E-05	1.17E-05	7.77E-06

1968	381160.1	3734728	7.63E-05	1.18E-05	7.81E-06
1969	381170.1	3734728	7.66E-05	1.18E-05	7.85E-06
1970	381180.1	3734728	7.70E-05	1.19E-05	7.88E-06
1971	381190.1	3734728	7.73E-05	1.19E-05	7.92E-06
1972	381200.1	3734728	7.78E-05	1.20E-05	7.96E-06
1973	381210.1	3734728	7.81E-05	1.20E-05	8.00E-06
1974	381220.1	3734728	7.85E-05	1.21E-05	8.04E-06
1975	381230.1	3734728	7.89E-05	1.22E-05	8.08E-06
1976	381240.1	3734728	7.92E-05	1.22E-05	8.12E-06
1977	381250.1	3734728	7.97E-05	1.23E-05	8.16E-06
1978	381260.1	3734728	8.00E-05	1.23E-05	8.20E-06
1979	381270.1	3734728	8.04E-05	1.24E-05	8.23E-06
1980	381280.1	3734728	8.07E-05	1.24E-05	8.27E-06
1981	381290.1	3734728	8.12E-05	1.25E-05	8.31E-06
1982	381300.1	3734728	8.15E-05	1.26E-05	8.35E-06
1983	381310.1	3734728	8.19E-05	1.26E-05	8.39E-06
1984	381320.1	3734728	8.24E-05	1.27E-05	8.44E-06
1985	381330.1	3734728	8.28E-05	1.28E-05	8.48E-06
1986	381340.1	3734728	8.32E-05	1.28E-05	8.53E-06
1987	381350.1	3734728	8.38E-05	1.29E-05	8.58E-06
1988	381360.1	3734728	8.42E-05	1.30E-05	8.62E-06
1989	381370.1	3734728	8.46E-05	1.30E-05	8.67E-06
1990	381380.1	3734728	8.51E-05	1.31E-05	8.71E-06
1991	381390.1	3734728	8.56E-05	1.32E-05	8.77E-06
1992	381400.1	3734728	8.60E-05	1.33E-05	8.81E-06
1993	381410.1	3734728	8.65E-05	1.33E-05	8.86E-06
1994	381420.1	3734728	8.70E-05	1.34E-05	8.91E-06
1995	381430.1	3734728	8.73E-05	1.35E-05	8.95E-06
1996	381440.1	3734728	8.77E-05	1.35E-05	8.98E-06
1997	381450.1	3734728	8.81E-05	1.36E-05	9.03E-06
1998	380350.1	3734738	4.90E-05	7.55E-06	5.02E-06
1999	380360.1	3734738	4.93E-05	7.60E-06	5.05E-06
2000	380370.1	3734738	4.97E-05	7.66E-06	5.09E-06
2001	380380.1	3734738	5.00E-05	7.71E-06	5.12E-06
2002	380390.1	3734738	5.04E-05	7.77E-06	5.16E-06
2003	380400.1	3734738	5.06E-05	7.81E-06	5.19E-06
2004	380410.1	3734738	5.09E-05	7.85E-06	5.21E-06
2005	380420.1	3734738	5.13E-05	7.90E-06	5.25E-06
2006	380430.1	3734738	5.15E-05	7.94E-06	5.28E-06
2007	380440.1	3734738	5.18E-05	7.98E-06	5.30E-06
2008	380450.1	3734738	5.21E-05	8.03E-06	5.34E-06
2009	380460.1	3734738	5.24E-05	8.07E-06	5.37E-06
2010	380470.1	3734738	5.27E-05	8.11E-06	5.39E-06
2011	380480.1	3734738	5.30E-05	8.17E-06	5.43E-06
2012	380490.1	3734738	5.33E-05	8.21E-06	5.46E-06
2013	380500.1	3734738	5.35E-05	8.25E-06	5.48E-06
2014	380510.1	3734738	5.38E-05	8.29E-06	5.51E-06

2015	380520.1	3734738	5.40E-05	8.33E-06	5.54E-06
2016	380530.1	3734738	5.43E-05	8.37E-06	5.56E-06
2017	380540.1	3734738	5.46E-05	8.41E-06	5.59E-06
2018	380550.1	3734738	5.48E-05	8.45E-06	5.62E-06
2019	380560.1	3734738	5.51E-05	8.49E-06	5.64E-06
2020	380570.1	3734738	5.54E-05	8.53E-06	5.67E-06
2021	380580.1	3734738	5.57E-05	8.59E-06	5.71E-06
2022	380590.1	3734738	5.60E-05	8.63E-06	5.73E-06
2023	380600.1	3734738	5.63E-05	8.68E-06	5.77E-06
2024	380610.1	3734738	5.66E-05	8.72E-06	5.79E-06
2025	380620.1	3734738	5.69E-05	8.77E-06	5.83E-06
2026	380630.1	3734738	5.73E-05	8.83E-06	5.87E-06
2027	380640.1	3734738	5.76E-05	8.88E-06	5.90E-06
2028	380650.1	3734738	5.79E-05	8.92E-06	5.93E-06
2029	380660.1	3734738	5.81E-05	8.96E-06	5.96E-06
2030	380670.1	3734738	5.85E-05	9.01E-06	5.99E-06
2031	380680.1	3734738	5.88E-05	9.06E-06	6.02E-06
2032	380690.1	3734738	5.89E-05	9.08E-06	6.04E-06
2033	380700.1	3734738	5.92E-05	9.12E-06	6.06E-06
2034	380710.1	3734738	5.95E-05	9.16E-06	6.09E-06
2035	380720.1	3734738	5.97E-05	9.20E-06	6.12E-06
2036	380730.1	3734738	6.00E-05	9.24E-06	6.14E-06
2037	380740.1	3734738	6.02E-05	9.28E-06	6.17E-06
2038	380750.1	3734738	6.06E-05	9.34E-06	6.21E-06
2039	380760.1	3734738	6.09E-05	9.39E-06	6.24E-06
2040	380770.1	3734738	6.13E-05	9.44E-06	6.28E-06
2041	380780.1	3734738	6.16E-05	9.50E-06	6.31E-06
2042	380790.1	3734738	6.20E-05	9.55E-06	6.35E-06
2043	380800.1	3734738	6.23E-05	9.61E-06	6.38E-06
2044	380810.1	3734738	6.26E-05	9.65E-06	6.41E-06
2045	380820.1	3734738	6.29E-05	9.70E-06	6.45E-06
2046	380830.1	3734738	6.33E-05	9.75E-06	6.48E-06
2047	380840.1	3734738	6.35E-05	9.79E-06	6.51E-06
2048	380850.1	3734738	6.39E-05	9.85E-06	6.54E-06
2049	380860.1	3734738	6.42E-05	9.90E-06	6.58E-06
2050	380870.1	3734738	6.47E-05	9.97E-06	6.62E-06
2051	380880.1	3734738	6.50E-05	1.00E-05	6.66E-06
2052	380890.1	3734738	6.55E-05	1.01E-05	6.71E-06
2053	380900.1	3734738	6.59E-05	1.02E-05	6.75E-06
2054	380910.1	3734738	6.63E-05	1.02E-05	6.79E-06
2055	380920.1	3734738	6.68E-05	1.03E-05	6.84E-06
2056	380930.1	3734738	6.72E-05	1.04E-05	6.88E-06
2057	380940.1	3734738	6.76E-05	1.04E-05	6.92E-06
2058	380950.1	3734738	6.79E-05	1.05E-05	6.96E-06
2059	380960.1	3734738	6.83E-05	1.05E-05	6.99E-06
2060	380970.1	3734738	6.86E-05	1.06E-05	7.03E-06
2061	380980.1	3734738	6.90E-05	1.06E-05	7.07E-06

2062	380990.1	3734738	6.95E-05	1.07E-05	7.12E-06
2063	381000.1	3734738	6.98E-05	1.08E-05	7.15E-06
2064	381010.1	3734738	7.03E-05	1.08E-05	7.21E-06
2065	381020.1	3734738	7.08E-05	1.09E-05	7.25E-06
2066	381030.1	3734738	7.13E-05	1.10E-05	7.30E-06
2067	381040.1	3734738	7.17E-05	1.11E-05	7.35E-06
2068	381050.1	3734738	7.22E-05	1.11E-05	7.39E-06
2069	381060.1	3734738	7.26E-05	1.12E-05	7.44E-06
2070	381070.1	3734738	7.30E-05	1.13E-05	7.48E-06
2071	381080.1	3734738	7.36E-05	1.13E-05	7.54E-06
2072	381090.1	3734738	7.40E-05	1.14E-05	7.58E-06
2073	381100.1	3734738	7.44E-05	1.15E-05	7.62E-06
2074	381110.1	3734738	7.48E-05	1.15E-05	7.66E-06
2075	381120.1	3734738	7.52E-05	1.16E-05	7.71E-06
2076	381130.1	3734738	7.57E-05	1.17E-05	7.75E-06
2077	381140.1	3734738	7.61E-05	1.17E-05	7.79E-06
2078	381150.1	3734738	7.64E-05	1.18E-05	7.83E-06
2079	381160.1	3734738	7.69E-05	1.18E-05	7.87E-06
2080	381170.1	3734738	7.72E-05	1.19E-05	7.91E-06
2081	381180.1	3734738	7.76E-05	1.20E-05	7.95E-06
2082	381190.1	3734738	7.80E-05	1.20E-05	7.99E-06
2083	381200.1	3734738	7.84E-05	1.21E-05	8.03E-06
2084	381210.1	3734738	7.87E-05	1.21E-05	8.06E-06
2085	381220.1	3734738	7.92E-05	1.22E-05	8.11E-06
2086	381230.1	3734738	7.95E-05	1.23E-05	8.14E-06
2087	381240.1	3734738	7.99E-05	1.23E-05	8.19E-06
2088	381250.1	3734738	8.03E-05	1.24E-05	8.22E-06
2089	381260.1	3734738	8.06E-05	1.24E-05	8.26E-06
2090	381270.1	3734738	8.11E-05	1.25E-05	8.30E-06
2091	381280.1	3734738	8.14E-05	1.25E-05	8.34E-06
2092	381290.1	3734738	8.18E-05	1.26E-05	8.37E-06
2093	381300.1	3734738	8.21E-05	1.27E-05	8.41E-06
2094	381310.1	3734738	8.26E-05	1.27E-05	8.46E-06
2095	381320.1	3734738	8.30E-05	1.28E-05	8.50E-06
2096	381330.1	3734738	8.34E-05	1.29E-05	8.54E-06
2097	381340.1	3734738	8.39E-05	1.29E-05	8.59E-06
2098	381350.1	3734738	8.44E-05	1.30E-05	8.64E-06
2099	381360.1	3734738	8.48E-05	1.31E-05	8.69E-06
2100	381370.1	3734738	8.53E-05	1.31E-05	8.73E-06
2101	381380.1	3734738	8.58E-05	1.32E-05	8.79E-06
2102	381390.1	3734738	8.63E-05	1.33E-05	8.84E-06
2103	381400.1	3734738	8.68E-05	1.34E-05	8.89E-06
2104	381410.1	3734738	8.73E-05	1.35E-05	8.95E-06
2105	381420.1	3734738	8.79E-05	1.35E-05	9.00E-06
2106	381430.1	3734738	8.82E-05	1.36E-05	9.04E-06
2107	381440.1	3734738	8.86E-05	1.37E-05	9.07E-06
2108	381450.1	3734738	8.89E-05	1.37E-05	9.11E-06

2109	380320.1	3734748	4.82E-05	7.43E-06	4.94E-06
2110	380330.1	3734748	4.86E-05	7.48E-06	4.97E-06
2111	380340.1	3734748	4.89E-05	7.54E-06	5.01E-06
2112	380350.1	3734748	4.93E-05	7.59E-06	5.04E-06
2113	380360.1	3734748	4.96E-05	7.64E-06	5.08E-06
2114	380370.1	3734748	4.99E-05	7.70E-06	5.12E-06
2115	380380.1	3734748	5.03E-05	7.75E-06	5.15E-06
2116	380390.1	3734748	5.06E-05	7.79E-06	5.18E-06
2117	380400.1	3734748	5.09E-05	7.85E-06	5.21E-06
2118	380410.1	3734748	5.12E-05	7.89E-06	5.24E-06
2119	380420.1	3734748	5.15E-05	7.94E-06	5.28E-06
2120	380430.1	3734748	5.18E-05	7.98E-06	5.30E-06
2121	380440.1	3734748	5.20E-05	8.02E-06	5.33E-06
2122	380450.1	3734748	5.24E-05	8.07E-06	5.37E-06
2123	380460.1	3734748	5.27E-05	8.11E-06	5.39E-06
2124	380470.1	3734748	5.30E-05	8.17E-06	5.43E-06
2125	380480.1	3734748	5.33E-05	8.21E-06	5.46E-06
2126	380490.1	3734748	5.35E-05	8.25E-06	5.48E-06
2127	380500.1	3734748	5.38E-05	8.29E-06	5.51E-06
2128	380510.1	3734748	5.40E-05	8.33E-06	5.54E-06
2129	380520.1	3734748	5.43E-05	8.37E-06	5.56E-06
2130	380530.1	3734748	5.46E-05	8.41E-06	5.59E-06
2131	380540.1	3734748	5.48E-05	8.45E-06	5.62E-06
2132	380550.1	3734748	5.51E-05	8.49E-06	5.64E-06
2133	380560.1	3734748	5.54E-05	8.54E-06	5.68E-06
2134	380570.1	3734748	5.57E-05	8.59E-06	5.71E-06
2135	380580.1	3734748	5.61E-05	8.64E-06	5.74E-06
2136	380590.1	3734748	5.63E-05	8.68E-06	5.77E-06
2137	380600.1	3734748	5.67E-05	8.73E-06	5.80E-06
2138	380610.1	3734748	5.69E-05	8.77E-06	5.83E-06
2139	380620.1	3734748	5.73E-05	8.83E-06	5.87E-06
2140	380630.1	3734748	5.76E-05	8.88E-06	5.90E-06
2141	380640.1	3734748	5.79E-05	8.92E-06	5.93E-06
2142	380650.1	3734748	5.82E-05	8.97E-06	5.96E-06
2143	380660.1	3734748	5.85E-05	9.01E-06	5.99E-06
2144	380670.1	3734748	5.88E-05	9.07E-06	6.03E-06
2145	380680.1	3734748	5.91E-05	9.11E-06	6.05E-06
2146	380690.1	3734748	5.94E-05	9.15E-06	6.08E-06
2147	380700.1	3734748	5.96E-05	9.19E-06	6.11E-06
2148	380710.1	3734748	5.99E-05	9.23E-06	6.13E-06
2149	380720.1	3734748	6.01E-05	9.27E-06	6.16E-06
2150	380730.1	3734748	6.04E-05	9.31E-06	6.19E-06
2151	380740.1	3734748	6.07E-05	9.35E-06	6.21E-06
2152	380750.1	3734748	6.10E-05	9.40E-06	6.25E-06
2153	380760.1	3734748	6.14E-05	9.46E-06	6.29E-06
2154	380770.1	3734748	6.17E-05	9.51E-06	6.32E-06
2155	380780.1	3734748	6.21E-05	9.57E-06	6.36E-06

2156	380790.1	3734748	6.24E-05	9.62E-06	6.39E-06
2157	380800.1	3734748	6.28E-05	9.67E-06	6.43E-06
2158	380810.1	3734748	6.30E-05	9.71E-06	6.46E-06
2159	380820.1	3734748	6.34E-05	9.77E-06	6.49E-06
2160	380830.1	3734748	6.37E-05	9.82E-06	6.53E-06
2161	380840.1	3734748	6.41E-05	9.87E-06	6.56E-06
2162	380850.1	3734748	6.44E-05	9.93E-06	6.60E-06
2163	380860.1	3734748	6.48E-05	9.98E-06	6.63E-06
2164	380870.1	3734748	6.51E-05	1.00E-05	6.67E-06
2165	380880.1	3734748	6.56E-05	1.01E-05	6.71E-06
2166	380890.1	3734748	6.60E-05	1.02E-05	6.76E-06
2167	380900.1	3734748	6.64E-05	1.02E-05	6.80E-06
2168	380910.1	3734748	6.69E-05	1.03E-05	6.85E-06
2169	380920.1	3734748	6.73E-05	1.04E-05	6.89E-06
2170	380930.1	3734748	6.77E-05	1.04E-05	6.94E-06
2171	380940.1	3734748	6.81E-05	1.05E-05	6.97E-06
2172	380950.1	3734748	6.84E-05	1.05E-05	7.01E-06
2173	380960.1	3734748	6.88E-05	1.06E-05	7.04E-06
2174	380970.1	3734748	6.91E-05	1.07E-05	7.08E-06
2175	380980.1	3734748	6.96E-05	1.07E-05	7.12E-06
2176	380990.1	3734748	6.99E-05	1.08E-05	7.16E-06
2177	381000.1	3734748	7.03E-05	1.08E-05	7.21E-06
2178	381010.1	3734748	7.09E-05	1.09E-05	7.26E-06
2179	381020.1	3734748	7.14E-05	1.10E-05	7.31E-06
2180	381030.1	3734748	7.18E-05	1.11E-05	7.36E-06
2181	381040.1	3734748	7.24E-05	1.12E-05	7.41E-06
2182	381050.1	3734748	7.28E-05	1.12E-05	7.46E-06
2183	381060.1	3734748	7.32E-05	1.13E-05	7.50E-06
2184	381070.1	3734748	7.37E-05	1.14E-05	7.54E-06
2185	381080.1	3734748	7.41E-05	1.14E-05	7.59E-06
2186	381090.1	3734748	7.46E-05	1.15E-05	7.64E-06
2187	381100.1	3734748	7.51E-05	1.16E-05	7.69E-06
2188	381110.1	3734748	7.54E-05	1.16E-05	7.72E-06
2189	381120.1	3734748	7.58E-05	1.17E-05	7.77E-06
2190	381130.1	3734748	7.63E-05	1.18E-05	7.81E-06
2191	381140.1	3734748	7.67E-05	1.18E-05	7.86E-06
2192	381150.1	3734748	7.71E-05	1.19E-05	7.90E-06
2193	381160.1	3734748	7.75E-05	1.19E-05	7.94E-06
2194	381170.1	3734748	7.78E-05	1.20E-05	7.97E-06
2195	381180.1	3734748	7.83E-05	1.21E-05	8.02E-06
2196	381190.1	3734748	7.86E-05	1.21E-05	8.05E-06
2197	381200.1	3734748	7.91E-05	1.22E-05	8.10E-06
2198	381210.1	3734748	7.94E-05	1.22E-05	8.13E-06
2199	381220.1	3734748	7.98E-05	1.23E-05	8.18E-06
2200	381230.1	3734748	8.02E-05	1.24E-05	8.21E-06
2201	381240.1	3734748	8.05E-05	1.24E-05	8.25E-06
2202	381250.1	3734748	8.10E-05	1.25E-05	8.29E-06

2203	381260.1	3734748	8.13E-05	1.25E-05	8.33E-06
2204	381270.1	3734748	8.17E-05	1.26E-05	8.37E-06
2205	381280.1	3734748	8.21E-05	1.27E-05	8.41E-06
2206	381290.1	3734748	8.25E-05	1.27E-05	8.45E-06
2207	381300.1	3734748	8.28E-05	1.28E-05	8.48E-06
2208	381310.1	3734748	8.32E-05	1.28E-05	8.53E-06
2209	381320.1	3734748	8.37E-05	1.29E-05	8.57E-06
2210	381330.1	3734748	8.40E-05	1.30E-05	8.61E-06
2211	381340.1	3734748	8.45E-05	1.30E-05	8.65E-06
2212	381350.1	3734748	8.50E-05	1.31E-05	8.71E-06
2213	381360.1	3734748	8.54E-05	1.32E-05	8.75E-06
2214	381370.1	3734748	8.60E-05	1.32E-05	8.80E-06
2215	381380.1	3734748	8.65E-05	1.33E-05	8.86E-06
2216	381390.1	3734748	8.71E-05	1.34E-05	8.92E-06
2217	381400.1	3734748	8.76E-05	1.35E-05	8.97E-06
2218	381410.1	3734748	8.81E-05	1.36E-05	9.03E-06
2219	381420.1	3734748	8.87E-05	1.37E-05	9.09E-06
2220	381430.1	3734748	8.90E-05	1.37E-05	9.12E-06
2221	381440.1	3734748	8.94E-05	1.38E-05	9.15E-06
2222	381450.1	3734748	8.96E-05	1.38E-05	9.18E-06
2223	380320.1	3734758	4.85E-05	7.47E-06	4.96E-06
2224	380330.1	3734758	4.87E-05	7.51E-06	4.99E-06
2225	380340.1	3734758	4.91E-05	7.56E-06	5.03E-06
2226	380350.1	3734758	4.94E-05	7.62E-06	5.06E-06
2227	380360.1	3734758	4.99E-05	7.68E-06	5.11E-06
2228	380370.1	3734758	5.02E-05	7.74E-06	5.14E-06
2229	380380.1	3734758	5.05E-05	7.78E-06	5.17E-06
2230	380390.1	3734758	5.08E-05	7.83E-06	5.21E-06
2231	380400.1	3734758	5.12E-05	7.89E-06	5.24E-06
2232	380410.1	3734758	5.14E-05	7.93E-06	5.27E-06
2233	380420.1	3734758	5.18E-05	7.98E-06	5.30E-06
2234	380430.1	3734758	5.20E-05	8.02E-06	5.33E-06
2235	380440.1	3734758	5.23E-05	8.06E-06	5.36E-06
2236	380450.1	3734758	5.27E-05	8.11E-06	5.39E-06
2237	380460.1	3734758	5.30E-05	8.17E-06	5.43E-06
2238	380470.1	3734758	5.33E-05	8.21E-06	5.46E-06
2239	380480.1	3734758	5.36E-05	8.26E-06	5.49E-06
2240	380490.1	3734758	5.39E-05	8.30E-06	5.52E-06
2241	380500.1	3734758	5.41E-05	8.34E-06	5.54E-06
2242	380510.1	3734758	5.44E-05	8.38E-06	5.57E-06
2243	380520.1	3734758	5.47E-05	8.42E-06	5.60E-06
2244	380530.1	3734758	5.49E-05	8.46E-06	5.62E-06
2245	380540.1	3734758	5.52E-05	8.50E-06	5.65E-06
2246	380550.1	3734758	5.54E-05	8.54E-06	5.68E-06
2247	380560.1	3734758	5.58E-05	8.60E-06	5.71E-06
2248	380570.1	3734758	5.61E-05	8.64E-06	5.74E-06
2249	380580.1	3734758	5.64E-05	8.69E-06	5.78E-06

2250	380590.1	3734758	5.67E-05	8.73E-06	5.80E-06
2251	380600.1	3734758	5.70E-05	8.79E-06	5.84E-06
2252	380610.1	3734758	5.74E-05	8.84E-06	5.87E-06
2253	380620.1	3734758	5.76E-05	8.88E-06	5.90E-06
2254	380630.1	3734758	5.79E-05	8.92E-06	5.93E-06
2255	380640.1	3734758	5.82E-05	8.97E-06	5.96E-06
2256	380650.1	3734758	5.85E-05	9.01E-06	5.99E-06
2257	380660.1	3734758	5.88E-05	9.07E-06	6.03E-06
2258	380670.1	3734758	5.91E-05	9.11E-06	6.05E-06
2259	380680.1	3734758	5.95E-05	9.16E-06	6.09E-06
2260	380690.1	3734758	5.97E-05	9.20E-06	6.12E-06
2261	380700.1	3734758	6.01E-05	9.26E-06	6.15E-06
2262	380710.1	3734758	6.03E-05	9.30E-06	6.18E-06
2263	380720.1	3734758	6.06E-05	9.34E-06	6.21E-06
2264	380730.1	3734758	6.08E-05	9.38E-06	6.23E-06
2265	380740.1	3734758	6.11E-05	9.42E-06	6.26E-06
2266	380750.1	3734758	6.15E-05	9.47E-06	6.29E-06
2267	380760.1	3734758	6.18E-05	9.53E-06	6.33E-06
2268	380770.1	3734758	6.22E-05	9.58E-06	6.37E-06
2269	380780.1	3734758	6.25E-05	9.63E-06	6.40E-06
2270	380790.1	3734758	6.29E-05	9.69E-06	6.44E-06
2271	380800.1	3734758	6.32E-05	9.74E-06	6.47E-06
2272	380810.1	3734758	6.35E-05	9.78E-06	6.50E-06
2273	380820.1	3734758	6.38E-05	9.83E-06	6.54E-06
2274	380830.1	3734758	6.42E-05	9.89E-06	6.57E-06
2275	380840.1	3734758	6.45E-05	9.94E-06	6.61E-06
2276	380850.1	3734758	6.49E-05	1.00E-05	6.65E-06
2277	380860.1	3734758	6.53E-05	1.01E-05	6.69E-06
2278	380870.1	3734758	6.56E-05	1.01E-05	6.72E-06
2279	380880.1	3734758	6.61E-05	1.02E-05	6.77E-06
2280	380890.1	3734758	6.65E-05	1.03E-05	6.81E-06
2281	380900.1	3734758	6.69E-05	1.03E-05	6.86E-06
2282	380910.1	3734758	6.74E-05	1.04E-05	6.90E-06
2283	380920.1	3734758	6.78E-05	1.05E-05	6.95E-06
2284	380930.1	3734758	6.83E-05	1.05E-05	6.99E-06
2285	380940.1	3734758	6.86E-05	1.06E-05	7.03E-06
2286	380950.1	3734758	6.90E-05	1.06E-05	7.06E-06
2287	380960.1	3734758	6.93E-05	1.07E-05	7.10E-06
2288	380970.1	3734758	6.96E-05	1.07E-05	7.13E-06
2289	380980.1	3734758	7.01E-05	1.08E-05	7.18E-06
2290	380990.1	3734758	7.04E-05	1.09E-05	7.21E-06
2291	381000.1	3734758	7.09E-05	1.09E-05	7.26E-06
2292	381010.1	3734758	7.14E-05	1.10E-05	7.31E-06
2293	381020.1	3734758	7.19E-05	1.11E-05	7.37E-06
2294	381030.1	3734758	7.24E-05	1.12E-05	7.42E-06
2295	381040.1	3734758	7.29E-05	1.12E-05	7.46E-06
2296	381050.1	3734758	7.34E-05	1.13E-05	7.52E-06

2297	381060.1	3734758	7.38E-05	1.14E-05	7.56E-06
2298	381070.1	3734758	7.43E-05	1.14E-05	7.61E-06
2299	381080.1	3734758	7.47E-05	1.15E-05	7.65E-06
2300	381090.1	3734758	7.52E-05	1.16E-05	7.71E-06
2301	381100.1	3734758	7.57E-05	1.17E-05	7.75E-06
2302	381110.1	3734758	7.60E-05	1.17E-05	7.79E-06
2303	381120.1	3734758	7.64E-05	1.18E-05	7.83E-06
2304	381130.1	3734758	7.69E-05	1.18E-05	7.87E-06
2305	381140.1	3734758	7.73E-05	1.19E-05	7.92E-06
2306	381150.1	3734758	7.78E-05	1.20E-05	7.96E-06
2307	381160.1	3734758	7.81E-05	1.20E-05	8.00E-06
2308	381170.1	3734758	7.85E-05	1.21E-05	8.04E-06
2309	381180.1	3734758	7.89E-05	1.22E-05	8.08E-06
2310	381190.1	3734758	7.93E-05	1.22E-05	8.12E-06
2311	381200.1	3734758	7.97E-05	1.23E-05	8.16E-06
2312	381210.1	3734758	8.01E-05	1.23E-05	8.21E-06
2313	381220.1	3734758	8.05E-05	1.24E-05	8.24E-06
2314	381230.1	3734758	8.09E-05	1.25E-05	8.29E-06
2315	381240.1	3734758	8.12E-05	1.25E-05	8.32E-06
2316	381250.1	3734758	8.16E-05	1.26E-05	8.36E-06
2317	381260.1	3734758	8.20E-05	1.26E-05	8.40E-06
2318	381270.1	3734758	8.24E-05	1.27E-05	8.44E-06
2319	381280.1	3734758	8.28E-05	1.28E-05	8.48E-06
2320	381290.1	3734758	8.32E-05	1.28E-05	8.52E-06
2321	381300.1	3734758	8.35E-05	1.29E-05	8.55E-06
2322	381310.1	3734758	8.39E-05	1.29E-05	8.60E-06
2323	381320.1	3734758	8.43E-05	1.30E-05	8.63E-06
2324	381330.1	3734758	8.47E-05	1.31E-05	8.68E-06
2325	381340.1	3734758	8.52E-05	1.31E-05	8.72E-06
2326	381350.1	3734758	8.56E-05	1.32E-05	8.77E-06
2327	381360.1	3734758	8.60E-05	1.33E-05	8.81E-06
2328	381370.1	3734758	8.66E-05	1.33E-05	8.87E-06
2329	381380.1	3734758	8.72E-05	1.34E-05	8.93E-06
2330	381390.1	3734758	8.79E-05	1.35E-05	9.00E-06
2331	381400.1	3734758	8.85E-05	1.36E-05	9.06E-06
2332	381410.1	3734758	8.90E-05	1.37E-05	9.12E-06
2333	381420.1	3734758	8.94E-05	1.38E-05	9.16E-06
2334	381430.1	3734758	8.98E-05	1.38E-05	9.20E-06
2335	381440.1	3734758	9.00E-05	1.39E-05	9.22E-06
2336	381450.1	3734758	9.03E-05	1.39E-05	9.25E-06
2337	380320.1	3734768	4.86E-05	7.50E-06	4.98E-06
2338	380330.1	3734768	4.90E-05	7.55E-06	5.02E-06
2339	380340.1	3734768	4.93E-05	7.60E-06	5.05E-06
2340	380350.1	3734768	4.97E-05	7.66E-06	5.09E-06
2341	380360.1	3734768	5.00E-05	7.71E-06	5.12E-06
2342	380370.1	3734768	5.04E-05	7.77E-06	5.16E-06
2343	380380.1	3734768	5.07E-05	7.82E-06	5.20E-06

2344	380390.1	3734768	5.11E-05	7.87E-06	5.23E-06
2345	380400.1	3734768	5.14E-05	7.93E-06	5.27E-06
2346	380410.1	3734768	5.17E-05	7.97E-06	5.29E-06
2347	380420.1	3734768	5.20E-05	8.02E-06	5.33E-06
2348	380430.1	3734768	5.23E-05	8.06E-06	5.36E-06
2349	380440.1	3734768	5.27E-05	8.11E-06	5.39E-06
2350	380450.1	3734768	5.29E-05	8.16E-06	5.42E-06
2351	380460.1	3734768	5.33E-05	8.21E-06	5.46E-06
2352	380470.1	3734768	5.36E-05	8.26E-06	5.49E-06
2353	380480.1	3734768	5.39E-05	8.30E-06	5.52E-06
2354	380490.1	3734768	5.42E-05	8.36E-06	5.55E-06
2355	380500.1	3734768	5.45E-05	8.40E-06	5.58E-06
2356	380510.1	3734768	5.47E-05	8.44E-06	5.61E-06
2357	380520.1	3734768	5.50E-05	8.48E-06	5.63E-06
2358	380530.1	3734768	5.53E-05	8.52E-06	5.66E-06
2359	380540.1	3734768	5.55E-05	8.56E-06	5.69E-06
2360	380550.1	3734768	5.58E-05	8.60E-06	5.71E-06
2361	380560.1	3734768	5.61E-05	8.64E-06	5.74E-06
2362	380570.1	3734768	5.64E-05	8.69E-06	5.78E-06
2363	380580.1	3734768	5.67E-05	8.75E-06	5.81E-06
2364	380590.1	3734768	5.70E-05	8.79E-06	5.84E-06
2365	380600.1	3734768	5.74E-05	8.84E-06	5.87E-06
2366	380610.1	3734768	5.77E-05	8.89E-06	5.91E-06
2367	380620.1	3734768	5.80E-05	8.93E-06	5.94E-06
2368	380630.1	3734768	5.82E-05	8.97E-06	5.96E-06
2369	380640.1	3734768	5.85E-05	9.01E-06	5.99E-06
2370	380650.1	3734768	5.88E-05	9.07E-06	6.03E-06
2371	380660.1	3734768	5.92E-05	9.12E-06	6.06E-06
2372	380670.1	3734768	5.95E-05	9.16E-06	6.09E-06
2373	380680.1	3734768	5.98E-05	9.22E-06	6.12E-06
2374	380690.1	3734768	6.01E-05	9.27E-06	6.16E-06
2375	380700.1	3734768	6.04E-05	9.31E-06	6.19E-06
2376	380710.1	3734768	6.07E-05	9.35E-06	6.21E-06
2377	380720.1	3734768	6.10E-05	9.40E-06	6.25E-06
2378	380730.1	3734768	6.13E-05	9.44E-06	6.28E-06
2379	380740.1	3734768	6.15E-05	9.49E-06	6.30E-06
2380	380750.1	3734768	6.19E-05	9.54E-06	6.34E-06
2381	380760.1	3734768	6.22E-05	9.59E-06	6.37E-06
2382	380770.1	3734768	6.25E-05	9.63E-06	6.40E-06
2383	380780.1	3734768	6.29E-05	9.69E-06	6.44E-06
2384	380790.1	3734768	6.32E-05	9.74E-06	6.47E-06
2385	380800.1	3734768	6.35E-05	9.79E-06	6.51E-06
2386	380810.1	3734768	6.39E-05	9.85E-06	6.54E-06
2387	380820.1	3734768	6.42E-05	9.90E-06	6.58E-06
2388	380830.1	3734768	6.46E-05	9.96E-06	6.62E-06
2389	380840.1	3734768	6.49E-05	1.00E-05	6.65E-06
2390	380850.1	3734768	6.54E-05	1.01E-05	6.70E-06

2391	380860.1	3734768	6.57E-05	1.01E-05	6.73E-06
2392	380870.1	3734768	6.62E-05	1.02E-05	6.78E-06
2393	380880.1	3734768	6.66E-05	1.03E-05	6.82E-06
2394	380890.1	3734768	6.70E-05	1.03E-05	6.87E-06
2395	380900.1	3734768	6.75E-05	1.04E-05	6.91E-06
2396	380910.1	3734768	6.79E-05	1.05E-05	6.96E-06
2397	380920.1	3734768	6.83E-05	1.05E-05	7.00E-06
2398	380930.1	3734768	6.88E-05	1.06E-05	7.04E-06
2399	380940.1	3734768	6.92E-05	1.07E-05	7.09E-06
2400	380950.1	3734768	6.95E-05	1.07E-05	7.12E-06
2401	380960.1	3734768	6.98E-05	1.08E-05	7.15E-06
2402	380970.1	3734768	7.02E-05	1.08E-05	7.19E-06
2403	380980.1	3734768	7.06E-05	1.09E-05	7.23E-06
2404	380990.1	3734768	7.10E-05	1.09E-05	7.28E-06
2405	381000.1	3734768	7.15E-05	1.10E-05	7.32E-06
2406	381010.1	3734768	7.20E-05	1.11E-05	7.37E-06
2407	381020.1	3734768	7.25E-05	1.12E-05	7.43E-06
2408	381030.1	3734768	7.30E-05	1.13E-05	7.48E-06
2409	381040.1	3734768	7.35E-05	1.13E-05	7.53E-06
2410	381050.1	3734768	7.39E-05	1.14E-05	7.57E-06
2411	381060.1	3734768	7.44E-05	1.15E-05	7.62E-06
2412	381070.1	3734768	7.49E-05	1.15E-05	7.67E-06
2413	381080.1	3734768	7.53E-05	1.16E-05	7.71E-06
2414	381090.1	3734768	7.58E-05	1.17E-05	7.76E-06
2415	381100.1	3734768	7.62E-05	1.17E-05	7.80E-06
2416	381110.1	3734768	7.66E-05	1.18E-05	7.85E-06
2417	381120.1	3734768	7.71E-05	1.19E-05	7.89E-06
2418	381130.1	3734768	7.75E-05	1.19E-05	7.94E-06
2419	381140.1	3734768	7.79E-05	1.20E-05	7.98E-06
2420	381150.1	3734768	7.84E-05	1.21E-05	8.03E-06
2421	381160.1	3734768	7.88E-05	1.21E-05	8.07E-06
2422	381170.1	3734768	7.92E-05	1.22E-05	8.11E-06
2423	381180.1	3734768	7.96E-05	1.23E-05	8.15E-06
2424	381190.1	3734768	8.00E-05	1.23E-05	8.20E-06
2425	381200.1	3734768	8.04E-05	1.24E-05	8.23E-06
2426	381210.1	3734768	8.08E-05	1.25E-05	8.28E-06
2427	381220.1	3734768	8.12E-05	1.25E-05	8.31E-06
2428	381230.1	3734768	8.16E-05	1.26E-05	8.36E-06
2429	381240.1	3734768	8.19E-05	1.26E-05	8.39E-06
2430	381250.1	3734768	8.24E-05	1.27E-05	8.44E-06
2431	381260.1	3734768	8.27E-05	1.27E-05	8.47E-06
2432	381270.1	3734768	8.31E-05	1.28E-05	8.51E-06
2433	381280.1	3734768	8.35E-05	1.29E-05	8.55E-06
2434	381290.1	3734768	8.39E-05	1.29E-05	8.59E-06
2435	381300.1	3734768	8.42E-05	1.30E-05	8.62E-06
2436	381310.1	3734768	8.46E-05	1.30E-05	8.67E-06
2437	381320.1	3734768	8.50E-05	1.31E-05	8.71E-06

2438	381330.1	3734768	8.53E-05	1.32E-05	8.74E-06
2439	381340.1	3734768	8.58E-05	1.32E-05	8.79E-06
2440	381350.1	3734768	8.62E-05	1.33E-05	8.83E-06
2441	381360.1	3734768	8.67E-05	1.34E-05	8.88E-06
2442	381370.1	3734768	8.73E-05	1.35E-05	8.95E-06
2443	381380.1	3734768	8.80E-05	1.36E-05	9.01E-06
2444	381390.1	3734768	8.87E-05	1.37E-05	9.09E-06
2445	381400.1	3734768	8.93E-05	1.38E-05	9.14E-06
2446	381410.1	3734768	8.99E-05	1.39E-05	9.21E-06
2447	381420.1	3734768	9.02E-05	1.39E-05	9.24E-06
2448	381430.1	3734768	9.05E-05	1.39E-05	9.27E-06
2449	381440.1	3734768	9.08E-05	1.40E-05	9.30E-06
2450	381450.1	3734768	9.11E-05	1.40E-05	9.33E-06
2451	380320.1	3734778	4.89E-05	7.54E-06	5.01E-06
2452	380330.1	3734778	4.92E-05	7.58E-06	5.04E-06
2453	380340.1	3734778	4.95E-05	7.63E-06	5.07E-06
2454	380350.1	3734778	4.99E-05	7.68E-06	5.11E-06
2455	380360.1	3734778	5.02E-05	7.74E-06	5.14E-06
2456	380370.1	3734778	5.06E-05	7.79E-06	5.18E-06
2457	380380.1	3734778	5.09E-05	7.85E-06	5.21E-06
2458	380390.1	3734778	5.13E-05	7.90E-06	5.25E-06
2459	380400.1	3734778	5.16E-05	7.95E-06	5.29E-06
2460	380410.1	3734778	5.20E-05	8.01E-06	5.32E-06
2461	380420.1	3734778	5.23E-05	8.06E-06	5.36E-06
2462	380430.1	3734778	5.26E-05	8.10E-06	5.38E-06
2463	380440.1	3734778	5.29E-05	8.16E-06	5.42E-06
2464	380450.1	3734778	5.33E-05	8.21E-06	5.46E-06
2465	380460.1	3734778	5.35E-05	8.25E-06	5.48E-06
2466	380470.1	3734778	5.39E-05	8.30E-06	5.52E-06
2467	380480.1	3734778	5.42E-05	8.36E-06	5.55E-06
2468	380490.1	3734778	5.45E-05	8.40E-06	5.58E-06
2469	380500.1	3734778	5.47E-05	8.44E-06	5.61E-06
2470	380510.1	3734778	5.50E-05	8.48E-06	5.63E-06
2471	380520.1	3734778	5.53E-05	8.52E-06	5.66E-06
2472	380530.1	3734778	5.55E-05	8.56E-06	5.69E-06
2473	380540.1	3734778	5.58E-05	8.60E-06	5.71E-06
2474	380550.1	3734778	5.61E-05	8.64E-06	5.74E-06
2475	380560.1	3734778	5.64E-05	8.69E-06	5.78E-06
2476	380570.1	3734778	5.67E-05	8.75E-06	5.81E-06
2477	380580.1	3734778	5.70E-05	8.79E-06	5.84E-06
2478	380590.1	3734778	5.74E-05	8.84E-06	5.87E-06
2479	380600.1	3734778	5.77E-05	8.89E-06	5.91E-06
2480	380610.1	3734778	5.80E-05	8.93E-06	5.94E-06
2481	380620.1	3734778	5.83E-05	8.99E-06	5.97E-06
2482	380630.1	3734778	5.86E-05	9.03E-06	6.00E-06
2483	380640.1	3734778	5.88E-05	9.07E-06	6.03E-06
2484	380650.1	3734778	5.92E-05	9.12E-06	6.06E-06

2485	380660.1	3734778	5.95E-05	9.18E-06	6.10E-06
2486	380670.1	3734778	5.98E-05	9.22E-06	6.12E-06
2487	380680.1	3734778	6.01E-05	9.27E-06	6.16E-06
2488	380690.1	3734778	6.05E-05	9.32E-06	6.20E-06
2489	380700.1	3734778	6.08E-05	9.38E-06	6.23E-06
2490	380710.1	3734778	6.11E-05	9.42E-06	6.26E-06
2491	380720.1	3734778	6.14E-05	9.46E-06	6.29E-06
2492	380730.1	3734778	6.17E-05	9.51E-06	6.32E-06
2493	380740.1	3734778	6.20E-05	9.55E-06	6.35E-06
2494	380750.1	3734778	6.23E-05	9.61E-06	6.38E-06
2495	380760.1	3734778	6.26E-05	9.65E-06	6.41E-06
2496	380770.1	3734778	6.29E-05	9.70E-06	6.45E-06
2497	380780.1	3734778	6.33E-05	9.75E-06	6.48E-06
2498	380790.1	3734778	6.36E-05	9.81E-06	6.52E-06
2499	380800.1	3734778	6.39E-05	9.85E-06	6.54E-06
2500	380810.1	3734778	6.42E-05	9.90E-06	6.58E-06
2501	380820.1	3734778	6.46E-05	9.96E-06	6.62E-06
2502	380830.1	3734778	6.50E-05	1.00E-05	6.66E-06
2503	380840.1	3734778	6.54E-05	1.01E-05	6.70E-06
2504	380850.1	3734778	6.58E-05	1.01E-05	6.74E-06
2505	380860.1	3734778	6.63E-05	1.02E-05	6.79E-06
2506	380870.1	3734778	6.67E-05	1.03E-05	6.83E-06
2507	380880.1	3734778	6.71E-05	1.03E-05	6.87E-06
2508	380890.1	3734778	6.76E-05	1.04E-05	6.92E-06
2509	380900.1	3734778	6.80E-05	1.05E-05	6.96E-06
2510	380910.1	3734778	6.85E-05	1.06E-05	7.02E-06
2511	380920.1	3734778	6.89E-05	1.06E-05	7.05E-06
2512	380930.1	3734778	6.93E-05	1.07E-05	7.10E-06
2513	380940.1	3734778	6.97E-05	1.07E-05	7.14E-06
2514	380950.1	3734778	7.01E-05	1.08E-05	7.18E-06
2515	380960.1	3734778	7.04E-05	1.09E-05	7.21E-06
2516	380970.1	3734778	7.08E-05	1.09E-05	7.25E-06
2517	380980.1	3734778	7.12E-05	1.10E-05	7.29E-06
2518	380990.1	3734778	7.17E-05	1.10E-05	7.34E-06
2519	381000.1	3734778	7.21E-05	1.11E-05	7.38E-06
2520	381010.1	3734778	7.26E-05	1.12E-05	7.44E-06
2521	381020.1	3734778	7.31E-05	1.13E-05	7.49E-06
2522	381030.1	3734778	7.37E-05	1.14E-05	7.54E-06
2523	381040.1	3734778	7.41E-05	1.14E-05	7.59E-06
2524	381050.1	3734778	7.45E-05	1.15E-05	7.63E-06
2525	381060.1	3734778	7.51E-05	1.16E-05	7.69E-06
2526	381070.1	3734778	7.55E-05	1.16E-05	7.73E-06
2527	381080.1	3734778	7.59E-05	1.17E-05	7.78E-06
2528	381090.1	3734778	7.64E-05	1.18E-05	7.82E-06
2529	381100.1	3734778	7.68E-05	1.18E-05	7.87E-06
2530	381110.1	3734778	7.72E-05	1.19E-05	7.91E-06
2531	381120.1	3734778	7.77E-05	1.20E-05	7.96E-06

2532	381130.1	3734778	7.81E-05	1.20E-05	8.00E-06
2533	381140.1	3734778	7.85E-05	1.21E-05	8.04E-06
2534	381150.1	3734778	7.90E-05	1.22E-05	8.09E-06
2535	381160.1	3734778	7.94E-05	1.22E-05	8.13E-06
2536	381170.1	3734778	7.98E-05	1.23E-05	8.18E-06
2537	381180.1	3734778	8.03E-05	1.24E-05	8.22E-06
2538	381190.1	3734778	8.07E-05	1.24E-05	8.27E-06
2539	381200.1	3734778	8.11E-05	1.25E-05	8.30E-06
2540	381210.1	3734778	8.15E-05	1.26E-05	8.35E-06
2541	381220.1	3734778	8.19E-05	1.26E-05	8.38E-06
2542	381230.1	3734778	8.23E-05	1.27E-05	8.43E-06
2543	381240.1	3734778	8.26E-05	1.27E-05	8.46E-06
2544	381250.1	3734778	8.31E-05	1.28E-05	8.51E-06
2545	381260.1	3734778	8.34E-05	1.29E-05	8.54E-06
2546	381270.1	3734778	8.39E-05	1.29E-05	8.59E-06
2547	381280.1	3734778	8.42E-05	1.30E-05	8.62E-06
2548	381290.1	3734778	8.46E-05	1.30E-05	8.66E-06
2549	381300.1	3734778	8.49E-05	1.31E-05	8.70E-06
2550	381310.1	3734778	8.53E-05	1.31E-05	8.73E-06
2551	381320.1	3734778	8.57E-05	1.32E-05	8.78E-06
2552	381330.1	3734778	8.60E-05	1.33E-05	8.81E-06
2553	381340.1	3734778	8.65E-05	1.33E-05	8.86E-06
2554	381350.1	3734778	8.69E-05	1.34E-05	8.90E-06
2555	381360.1	3734778	8.74E-05	1.35E-05	8.96E-06
2556	381370.1	3734778	8.80E-05	1.36E-05	9.02E-06
2557	381380.1	3734778	8.87E-05	1.37E-05	9.09E-06
2558	381390.1	3734778	8.96E-05	1.38E-05	9.18E-06
2559	381400.1	3734778	9.02E-05	1.39E-05	9.24E-06
2560	381410.1	3734778	9.07E-05	1.40E-05	9.29E-06
2561	381420.1	3734778	9.10E-05	1.40E-05	9.32E-06
2562	381430.1	3734778	9.13E-05	1.41E-05	9.35E-06
2563	381440.1	3734778	9.15E-05	1.41E-05	9.37E-06
2564	381450.1	3734778	9.19E-05	1.42E-05	9.41E-06
2565	380320.1	3734788	4.91E-05	7.56E-06	5.03E-06
2566	380330.1	3734788	4.94E-05	7.62E-06	5.06E-06
2567	380340.1	3734788	4.98E-05	7.67E-06	5.10E-06
2568	380350.1	3734788	5.01E-05	7.73E-06	5.13E-06
2569	380360.1	3734788	5.05E-05	7.78E-06	5.17E-06
2570	380370.1	3734788	5.08E-05	7.83E-06	5.21E-06
2571	380380.1	3734788	5.12E-05	7.89E-06	5.24E-06
2572	380390.1	3734788	5.15E-05	7.94E-06	5.28E-06
2573	380400.1	3734788	5.19E-05	7.99E-06	5.31E-06
2574	380410.1	3734788	5.22E-05	8.05E-06	5.35E-06
2575	380420.1	3734788	5.26E-05	8.10E-06	5.38E-06
2576	380430.1	3734788	5.29E-05	8.16E-06	5.42E-06
2577	380440.1	3734788	5.33E-05	8.21E-06	5.46E-06
2578	380450.1	3734788	5.35E-05	8.25E-06	5.48E-06

2579	380460.1	3734788	5.39E-05	8.30E-06	5.52E-06
2580	380470.1	3734788	5.42E-05	8.36E-06	5.55E-06
2581	380480.1	3734788	5.45E-05	8.40E-06	5.58E-06
2582	380490.1	3734788	5.48E-05	8.45E-06	5.62E-06
2583	380500.1	3734788	5.51E-05	8.49E-06	5.64E-06
2584	380510.1	3734788	5.54E-05	8.53E-06	5.67E-06
2585	380520.1	3734788	5.56E-05	8.57E-06	5.70E-06
2586	380530.1	3734788	5.59E-05	8.61E-06	5.72E-06
2587	380540.1	3734788	5.61E-05	8.65E-06	5.75E-06
2588	380550.1	3734788	5.64E-05	8.69E-06	5.78E-06
2589	380560.1	3734788	5.67E-05	8.75E-06	5.81E-06
2590	380570.1	3734788	5.70E-05	8.79E-06	5.84E-06
2591	380580.1	3734788	5.74E-05	8.84E-06	5.87E-06
2592	380590.1	3734788	5.77E-05	8.89E-06	5.91E-06
2593	380600.1	3734788	5.80E-05	8.93E-06	5.94E-06
2594	380610.1	3734788	5.83E-05	8.99E-06	5.97E-06
2595	380620.1	3734788	5.86E-05	9.03E-06	6.00E-06
2596	380630.1	3734788	5.89E-05	9.08E-06	6.04E-06
2597	380640.1	3734788	5.92E-05	9.12E-06	6.06E-06
2598	380650.1	3734788	5.95E-05	9.18E-06	6.10E-06
2599	380660.1	3734788	5.99E-05	9.23E-06	6.13E-06
2600	380670.1	3734788	6.01E-05	9.27E-06	6.16E-06
2601	380680.1	3734788	6.06E-05	9.34E-06	6.21E-06
2602	380690.1	3734788	6.09E-05	9.39E-06	6.24E-06
2603	380700.1	3734788	6.13E-05	9.44E-06	6.28E-06
2604	380710.1	3734788	6.15E-05	9.49E-06	6.30E-06
2605	380720.1	3734788	6.18E-05	9.53E-06	6.33E-06
2606	380730.1	3734788	6.22E-05	9.58E-06	6.37E-06
2607	380740.1	3734788	6.24E-05	9.62E-06	6.39E-06
2608	380750.1	3734788	6.28E-05	9.67E-06	6.43E-06
2609	380760.1	3734788	6.30E-05	9.71E-06	6.46E-06
2610	380770.1	3734788	6.34E-05	9.77E-06	6.49E-06
2611	380780.1	3734788	6.36E-05	9.81E-06	6.52E-06
2612	380790.1	3734788	6.40E-05	9.86E-06	6.55E-06
2613	380800.1	3734788	6.43E-05	9.92E-06	6.59E-06
2614	380810.1	3734788	6.47E-05	9.97E-06	6.62E-06
2615	380820.1	3734788	6.50E-05	1.00E-05	6.66E-06
2616	380830.1	3734788	6.55E-05	1.01E-05	6.71E-06
2617	380840.1	3734788	6.58E-05	1.01E-05	6.74E-06
2618	380850.1	3734788	6.63E-05	1.02E-05	6.79E-06
2619	380860.1	3734788	6.67E-05	1.03E-05	6.83E-06
2620	380870.1	3734788	6.71E-05	1.03E-05	6.87E-06
2621	380880.1	3734788	6.76E-05	1.04E-05	6.93E-06
2622	380890.1	3734788	6.81E-05	1.05E-05	6.97E-06
2623	380900.1	3734788	6.86E-05	1.06E-05	7.03E-06
2624	380910.1	3734788	6.90E-05	1.06E-05	7.07E-06
2625	380920.1	3734788	6.95E-05	1.07E-05	7.12E-06

2626	380930.1	3734788	6.99E-05	1.08E-05	7.16E-06
2627	380940.1	3734788	7.03E-05	1.08E-05	7.20E-06
2628	380950.1	3734788	7.06E-05	1.09E-05	7.23E-06
2629	380960.1	3734788	7.10E-05	1.09E-05	7.27E-06
2630	380970.1	3734788	7.13E-05	1.10E-05	7.30E-06
2631	380980.1	3734788	7.17E-05	1.11E-05	7.35E-06
2632	380990.1	3734788	7.23E-05	1.11E-05	7.40E-06
2633	381000.1	3734788	7.27E-05	1.12E-05	7.45E-06
2634	381010.1	3734788	7.32E-05	1.13E-05	7.50E-06
2635	381020.1	3734788	7.37E-05	1.14E-05	7.55E-06
2636	381030.1	3734788	7.43E-05	1.14E-05	7.61E-06
2637	381040.1	3734788	7.47E-05	1.15E-05	7.65E-06
2638	381050.1	3734788	7.51E-05	1.16E-05	7.70E-06
2639	381060.1	3734788	7.57E-05	1.17E-05	7.75E-06
2640	381070.1	3734788	7.61E-05	1.17E-05	7.79E-06
2641	381080.1	3734788	7.65E-05	1.18E-05	7.84E-06
2642	381090.1	3734788	7.70E-05	1.19E-05	7.88E-06
2643	381100.1	3734788	7.74E-05	1.19E-05	7.93E-06
2644	381110.1	3734788	7.78E-05	1.20E-05	7.97E-06
2645	381120.1	3734788	7.83E-05	1.21E-05	8.02E-06
2646	381130.1	3734788	7.87E-05	1.21E-05	8.06E-06
2647	381140.1	3734788	7.92E-05	1.22E-05	8.11E-06
2648	381150.1	3734788	7.96E-05	1.23E-05	8.15E-06
2649	381160.1	3734788	8.01E-05	1.23E-05	8.21E-06
2650	381170.1	3734788	8.05E-05	1.24E-05	8.25E-06
2651	381180.1	3734788	8.10E-05	1.25E-05	8.29E-06
2652	381190.1	3734788	8.14E-05	1.25E-05	8.34E-06
2653	381200.1	3734788	8.18E-05	1.26E-05	8.37E-06
2654	381210.1	3734788	8.22E-05	1.27E-05	8.42E-06
2655	381220.1	3734788	8.26E-05	1.27E-05	8.46E-06
2656	381230.1	3734788	8.30E-05	1.28E-05	8.50E-06
2657	381240.1	3734788	8.34E-05	1.29E-05	8.54E-06
2658	381250.1	3734788	8.38E-05	1.29E-05	8.58E-06
2659	381260.1	3734788	8.42E-05	1.30E-05	8.62E-06
2660	381270.1	3734788	8.46E-05	1.30E-05	8.66E-06
2661	381280.1	3734788	8.50E-05	1.31E-05	8.71E-06
2662	381290.1	3734788	8.53E-05	1.32E-05	8.74E-06
2663	381300.1	3734788	8.57E-05	1.32E-05	8.78E-06
2664	381310.1	3734788	8.60E-05	1.33E-05	8.81E-06
2665	381320.1	3734788	8.63E-05	1.33E-05	8.84E-06
2666	381330.1	3734788	8.66E-05	1.34E-05	8.87E-06
2667	381340.1	3734788	8.72E-05	1.34E-05	8.93E-06
2668	381350.1	3734788	8.76E-05	1.35E-05	8.97E-06
2669	381360.1	3734788	8.81E-05	1.36E-05	9.03E-06
2670	381370.1	3734788	8.88E-05	1.37E-05	9.10E-06
2671	381380.1	3734788	8.97E-05	1.38E-05	9.19E-06
2672	381390.1	3734788	9.06E-05	1.40E-05	9.28E-06

2673	381400.1	3734788	9.11E-05	1.40E-05	9.33E-06
2674	381410.1	3734788	9.14E-05	1.41E-05	9.37E-06
2675	381420.1	3734788	9.18E-05	1.41E-05	9.40E-06
2676	381430.1	3734788	9.21E-05	1.42E-05	9.43E-06
2677	381440.1	3734788	9.23E-05	1.42E-05	9.46E-06
2678	381450.1	3734788	9.27E-05	1.43E-05	9.49E-06
2679	380320.1	3734798	4.93E-05	7.60E-06	5.05E-06
2680	380330.1	3734798	4.97E-05	7.66E-06	5.09E-06
2681	380340.1	3734798	5.00E-05	7.71E-06	5.12E-06
2682	380350.1	3734798	5.04E-05	7.77E-06	5.16E-06
2683	380360.1	3734798	5.07E-05	7.82E-06	5.20E-06
2684	380370.1	3734798	5.11E-05	7.87E-06	5.23E-06
2685	380380.1	3734798	5.14E-05	7.93E-06	5.27E-06
2686	380390.1	3734798	5.18E-05	7.98E-06	5.30E-06
2687	380400.1	3734798	5.21E-05	8.03E-06	5.34E-06
2688	380410.1	3734798	5.25E-05	8.09E-06	5.37E-06
2689	380420.1	3734798	5.28E-05	8.14E-06	5.41E-06
2690	380430.1	3734798	5.32E-05	8.20E-06	5.45E-06
2691	380440.1	3734798	5.35E-05	8.25E-06	5.48E-06
2692	380450.1	3734798	5.38E-05	8.29E-06	5.51E-06
2693	380460.1	3734798	5.41E-05	8.34E-06	5.54E-06
2694	380470.1	3734798	5.45E-05	8.40E-06	5.58E-06
2695	380480.1	3734798	5.47E-05	8.44E-06	5.61E-06
2696	380490.1	3734798	5.51E-05	8.49E-06	5.64E-06
2697	380500.1	3734798	5.54E-05	8.53E-06	5.67E-06
2698	380510.1	3734798	5.56E-05	8.57E-06	5.70E-06
2699	380520.1	3734798	5.59E-05	8.61E-06	5.72E-06
2700	380530.1	3734798	5.62E-05	8.67E-06	5.76E-06
2701	380540.1	3734798	5.65E-05	8.71E-06	5.79E-06
2702	380550.1	3734798	5.67E-05	8.75E-06	5.81E-06
2703	380560.1	3734798	5.71E-05	8.80E-06	5.85E-06
2704	380570.1	3734798	5.74E-05	8.84E-06	5.87E-06
2705	380580.1	3734798	5.77E-05	8.89E-06	5.91E-06
2706	380590.1	3734798	5.81E-05	8.95E-06	5.95E-06
2707	380600.1	3734798	5.83E-05	8.99E-06	5.97E-06
2708	380610.1	3734798	5.87E-05	9.04E-06	6.01E-06
2709	380620.1	3734798	5.90E-05	9.10E-06	6.04E-06
2710	380630.1	3734798	5.93E-05	9.14E-06	6.07E-06
2711	380640.1	3734798	5.95E-05	9.18E-06	6.10E-06
2712	380650.1	3734798	5.99E-05	9.23E-06	6.13E-06
2713	380660.1	3734798	6.02E-05	9.28E-06	6.17E-06
2714	380670.1	3734798	6.06E-05	9.34E-06	6.21E-06
2715	380680.1	3734798	6.09E-05	9.39E-06	6.24E-06
2716	380690.1	3734798	6.13E-05	9.44E-06	6.28E-06
2717	380700.1	3734798	6.17E-05	9.51E-06	6.32E-06
2718	380710.1	3734798	6.20E-05	9.55E-06	6.35E-06
2719	380720.1	3734798	6.22E-05	9.59E-06	6.37E-06

2720	380730.1	3734798	6.25E-05	9.63E-06	6.40E-06
2721	380740.1	3734798	6.29E-05	9.69E-06	6.44E-06
2722	380750.1	3734798	6.31E-05	9.73E-06	6.46E-06
2723	380760.1	3734798	6.35E-05	9.78E-06	6.50E-06
2724	380770.1	3734798	6.38E-05	9.83E-06	6.54E-06
2725	380780.1	3734798	6.41E-05	9.87E-06	6.56E-06
2726	380790.1	3734798	6.44E-05	9.93E-06	6.60E-06
2727	380800.1	3734798	6.48E-05	9.98E-06	6.63E-06
2728	380810.1	3734798	6.51E-05	1.00E-05	6.67E-06
2729	380820.1	3734798	6.55E-05	1.01E-05	6.71E-06
2730	380830.1	3734798	6.59E-05	1.02E-05	6.75E-06
2731	380840.1	3734798	6.63E-05	1.02E-05	6.79E-06
2732	380850.1	3734798	6.68E-05	1.03E-05	6.84E-06
2733	380860.1	3734798	6.72E-05	1.04E-05	6.88E-06
2734	380870.1	3734798	6.76E-05	1.04E-05	6.93E-06
2735	380880.1	3734798	6.82E-05	1.05E-05	6.98E-06
2736	380890.1	3734798	6.86E-05	1.06E-05	7.03E-06
2737	380900.1	3734798	6.91E-05	1.07E-05	7.08E-06
2738	380910.1	3734798	6.96E-05	1.07E-05	7.12E-06
2739	380920.1	3734798	7.00E-05	1.08E-05	7.17E-06
2740	380930.1	3734798	7.04E-05	1.09E-05	7.21E-06
2741	380940.1	3734798	7.09E-05	1.09E-05	7.26E-06
2742	380950.1	3734798	7.12E-05	1.10E-05	7.29E-06
2743	380960.1	3734798	7.17E-05	1.10E-05	7.34E-06
2744	380970.1	3734798	7.20E-05	1.11E-05	7.37E-06
2745	380980.1	3734798	7.24E-05	1.12E-05	7.42E-06
2746	380990.1	3734798	7.29E-05	1.12E-05	7.46E-06
2747	381000.1	3734798	7.34E-05	1.13E-05	7.52E-06
2748	381010.1	3734798	7.38E-05	1.14E-05	7.56E-06
2749	381020.1	3734798	7.44E-05	1.15E-05	7.62E-06
2750	381030.1	3734798	7.49E-05	1.15E-05	7.67E-06
2751	381040.1	3734798	7.54E-05	1.16E-05	7.72E-06
2752	381050.1	3734798	7.58E-05	1.17E-05	7.77E-06
2753	381060.1	3734798	7.63E-05	1.18E-05	7.81E-06
2754	381070.1	3734798	7.67E-05	1.18E-05	7.86E-06
2755	381080.1	3734798	7.71E-05	1.19E-05	7.90E-06
2756	381090.1	3734798	7.76E-05	1.20E-05	7.95E-06
2757	381100.1	3734798	7.80E-05	1.20E-05	7.99E-06
2758	381110.1	3734798	7.85E-05	1.21E-05	8.04E-06
2759	381120.1	3734798	7.90E-05	1.22E-05	8.09E-06
2760	381130.1	3734798	7.94E-05	1.22E-05	8.13E-06
2761	381140.1	3734798	7.98E-05	1.23E-05	8.18E-06
2762	381150.1	3734798	8.03E-05	1.24E-05	8.22E-06
2763	381160.1	3734798	8.08E-05	1.25E-05	8.28E-06
2764	381170.1	3734798	8.12E-05	1.25E-05	8.32E-06
2765	381180.1	3734798	8.17E-05	1.26E-05	8.37E-06
2766	381190.1	3734798	8.21E-05	1.27E-05	8.41E-06

2767	381200.1	3734798	8.25E-05	1.27E-05	8.45E-06
2768	381210.1	3734798	8.29E-05	1.28E-05	8.49E-06
2769	381220.1	3734798	8.33E-05	1.28E-05	8.54E-06
2770	381230.1	3734798	8.38E-05	1.29E-05	8.58E-06
2771	381240.1	3734798	8.41E-05	1.30E-05	8.62E-06
2772	381250.1	3734798	8.46E-05	1.30E-05	8.66E-06
2773	381260.1	3734798	8.50E-05	1.31E-05	8.71E-06
2774	381270.1	3734798	8.53E-05	1.32E-05	8.74E-06
2775	381280.1	3734798	8.57E-05	1.32E-05	8.78E-06
2776	381290.1	3734798	8.60E-05	1.33E-05	8.81E-06
2777	381300.1	3734798	8.64E-05	1.33E-05	8.85E-06
2778	381310.1	3734798	8.67E-05	1.34E-05	8.88E-06
2779	381320.1	3734798	8.71E-05	1.34E-05	8.92E-06
2780	381330.1	3734798	8.74E-05	1.35E-05	8.96E-06
2781	381340.1	3734798	8.79E-05	1.35E-05	9.00E-06
2782	381350.1	3734798	8.84E-05	1.36E-05	9.05E-06
2783	381360.1	3734798	8.89E-05	1.37E-05	9.11E-06
2784	381370.1	3734798	8.96E-05	1.38E-05	9.18E-06
2785	381380.1	3734798	9.05E-05	1.39E-05	9.27E-06
2786	381390.1	3734798	9.14E-05	1.41E-05	9.36E-06
2787	381400.1	3734798	9.20E-05	1.42E-05	9.42E-06
2788	381410.1	3734798	9.22E-05	1.42E-05	9.45E-06
2789	381420.1	3734798	9.26E-05	1.43E-05	9.48E-06
2790	381430.1	3734798	9.28E-05	1.43E-05	9.51E-06
2791	381440.1	3734798	9.32E-05	1.44E-05	9.54E-06
2792	381450.1	3734798	9.34E-05	1.44E-05	9.57E-06
2793	380320.1	3734808	4.96E-05	7.64E-06	5.08E-06
2794	380330.1	3734808	4.99E-05	7.70E-06	5.12E-06
2795	380340.1	3734808	5.03E-05	7.75E-06	5.15E-06
2796	380350.1	3734808	5.06E-05	7.81E-06	5.19E-06
2797	380360.1	3734808	5.10E-05	7.86E-06	5.22E-06
2798	380370.1	3734808	5.13E-05	7.90E-06	5.25E-06
2799	380380.1	3734808	5.17E-05	7.97E-06	5.29E-06
2800	380390.1	3734808	5.20E-05	8.02E-06	5.33E-06
2801	380400.1	3734808	5.24E-05	8.07E-06	5.37E-06
2802	380410.1	3734808	5.27E-05	8.13E-06	5.40E-06
2803	380420.1	3734808	5.31E-05	8.18E-06	5.44E-06
2804	380430.1	3734808	5.34E-05	8.24E-06	5.47E-06
2805	380440.1	3734808	5.38E-05	8.29E-06	5.51E-06
2806	380450.1	3734808	5.40E-05	8.33E-06	5.54E-06
2807	380460.1	3734808	5.44E-05	8.38E-06	5.57E-06
2808	380470.1	3734808	5.47E-05	8.44E-06	5.61E-06
2809	380480.1	3734808	5.51E-05	8.49E-06	5.64E-06
2810	380490.1	3734808	5.54E-05	8.54E-06	5.68E-06
2811	380500.1	3734808	5.57E-05	8.59E-06	5.71E-06
2812	380510.1	3734808	5.60E-05	8.63E-06	5.73E-06
2813	380520.1	3734808	5.62E-05	8.67E-06	5.76E-06

2814	380530.1	3734808	5.65E-05	8.71E-06	5.79E-06
2815	380540.1	3734808	5.68E-05	8.76E-06	5.82E-06
2816	380550.1	3734808	5.71E-05	8.80E-06	5.85E-06
2817	380560.1	3734808	5.74E-05	8.85E-06	5.88E-06
2818	380570.1	3734808	5.77E-05	8.89E-06	5.91E-06
2819	380580.1	3734808	5.81E-05	8.95E-06	5.95E-06
2820	380590.1	3734808	5.84E-05	9.00E-06	5.98E-06
2821	380600.1	3734808	5.88E-05	9.06E-06	6.02E-06
2822	380610.1	3734808	5.90E-05	9.10E-06	6.04E-06
2823	380620.1	3734808	5.94E-05	9.15E-06	6.08E-06
2824	380630.1	3734808	5.96E-05	9.19E-06	6.11E-06
2825	380640.1	3734808	6.00E-05	9.24E-06	6.14E-06
2826	380650.1	3734808	6.03E-05	9.30E-06	6.18E-06
2827	380660.1	3734808	6.07E-05	9.35E-06	6.21E-06
2828	380670.1	3734808	6.10E-05	9.40E-06	6.25E-06
2829	380680.1	3734808	6.14E-05	9.46E-06	6.29E-06
2830	380690.1	3734808	6.17E-05	9.51E-06	6.32E-06
2831	380700.1	3734808	6.21E-05	9.57E-06	6.36E-06
2832	380710.1	3734808	6.23E-05	9.61E-06	6.38E-06
2833	380720.1	3734808	6.27E-05	9.66E-06	6.42E-06
2834	380730.1	3734808	6.29E-05	9.70E-06	6.45E-06
2835	380740.1	3734808	6.33E-05	9.75E-06	6.48E-06
2836	380750.1	3734808	6.35E-05	9.79E-06	6.51E-06
2837	380760.1	3734808	6.39E-05	9.85E-06	6.54E-06
2838	380770.1	3734808	6.42E-05	9.89E-06	6.57E-06
2839	380780.1	3734808	6.45E-05	9.94E-06	6.61E-06
2840	380790.1	3734808	6.49E-05	1.00E-05	6.64E-06
2841	380800.1	3734808	6.52E-05	1.00E-05	6.68E-06
2842	380810.1	3734808	6.56E-05	1.01E-05	6.71E-06
2843	380820.1	3734808	6.60E-05	1.02E-05	6.76E-06
2844	380830.1	3734808	6.64E-05	1.02E-05	6.80E-06
2845	380840.1	3734808	6.69E-05	1.03E-05	6.85E-06
2846	380850.1	3734808	6.73E-05	1.04E-05	6.89E-06
2847	380860.1	3734808	6.77E-05	1.04E-05	6.94E-06
2848	380870.1	3734808	6.82E-05	1.05E-05	6.98E-06
2849	380880.1	3734808	6.86E-05	1.06E-05	7.03E-06
2850	380890.1	3734808	6.91E-05	1.07E-05	7.08E-06
2851	380900.1	3734808	6.96E-05	1.07E-05	7.13E-06
2852	380910.1	3734808	7.01E-05	1.08E-05	7.18E-06
2853	380920.1	3734808	7.06E-05	1.09E-05	7.23E-06
2854	380930.1	3734808	7.10E-05	1.09E-05	7.28E-06
2855	380940.1	3734808	7.15E-05	1.10E-05	7.32E-06
2856	380950.1	3734808	7.19E-05	1.11E-05	7.37E-06
2857	380960.1	3734808	7.23E-05	1.11E-05	7.40E-06
2858	380970.1	3734808	7.27E-05	1.12E-05	7.45E-06
2859	380980.1	3734808	7.31E-05	1.13E-05	7.49E-06
2860	380990.1	3734808	7.36E-05	1.13E-05	7.54E-06

2861	381000.1	3734808	7.40E-05	1.14E-05	7.58E-06
2862	381010.1	3734808	7.45E-05	1.15E-05	7.63E-06
2863	381020.1	3734808	7.51E-05	1.16E-05	7.69E-06
2864	381030.1	3734808	7.56E-05	1.16E-05	7.74E-06
2865	381040.1	3734808	7.61E-05	1.17E-05	7.79E-06
2866	381050.1	3734808	7.65E-05	1.18E-05	7.84E-06
2867	381060.1	3734808	7.70E-05	1.19E-05	7.88E-06
2868	381070.1	3734808	7.74E-05	1.19E-05	7.93E-06
2869	381080.1	3734808	7.78E-05	1.20E-05	7.97E-06
2870	381090.1	3734808	7.83E-05	1.21E-05	8.02E-06
2871	381100.1	3734808	7.87E-05	1.21E-05	8.06E-06
2872	381110.1	3734808	7.92E-05	1.22E-05	8.11E-06
2873	381120.1	3734808	7.96E-05	1.23E-05	8.15E-06
2874	381130.1	3734808	8.00E-05	1.23E-05	8.20E-06
2875	381140.1	3734808	8.05E-05	1.24E-05	8.25E-06
2876	381150.1	3734808	8.10E-05	1.25E-05	8.29E-06
2877	381160.1	3734808	8.14E-05	1.25E-05	8.34E-06
2878	381170.1	3734808	8.19E-05	1.26E-05	8.39E-06
2879	381180.1	3734808	8.24E-05	1.27E-05	8.44E-06
2880	381190.1	3734808	8.28E-05	1.28E-05	8.48E-06
2881	381200.1	3734808	8.32E-05	1.28E-05	8.52E-06
2882	381210.1	3734808	8.36E-05	1.29E-05	8.56E-06
2883	381220.1	3734808	8.40E-05	1.30E-05	8.61E-06
2884	381230.1	3734808	8.45E-05	1.30E-05	8.65E-06
2885	381240.1	3734808	8.49E-05	1.31E-05	8.70E-06
2886	381250.1	3734808	8.53E-05	1.32E-05	8.74E-06
2887	381260.1	3734808	8.57E-05	1.32E-05	8.78E-06
2888	381270.1	3734808	8.61E-05	1.33E-05	8.82E-06
2889	381280.1	3734808	8.65E-05	1.33E-05	8.86E-06
2890	381290.1	3734808	8.68E-05	1.34E-05	8.89E-06
2891	381300.1	3734808	8.72E-05	1.34E-05	8.93E-06
2892	381310.1	3734808	8.75E-05	1.35E-05	8.96E-06
2893	381320.1	3734808	8.79E-05	1.35E-05	9.00E-06
2894	381330.1	3734808	8.81E-05	1.36E-05	9.03E-06
2895	381340.1	3734808	8.87E-05	1.37E-05	9.08E-06
2896	381350.1	3734808	8.92E-05	1.37E-05	9.13E-06
2897	381360.1	3734808	8.97E-05	1.38E-05	9.19E-06
2898	381370.1	3734808	9.04E-05	1.39E-05	9.26E-06
2899	381380.1	3734808	9.13E-05	1.41E-05	9.35E-06
2900	381390.1	3734808	9.22E-05	1.42E-05	9.45E-06
2901	381400.1	3734808	9.28E-05	1.43E-05	9.50E-06
2902	381410.1	3734808	9.31E-05	1.43E-05	9.54E-06
2903	381420.1	3734808	9.34E-05	1.44E-05	9.56E-06
2904	381430.1	3734808	9.37E-05	1.44E-05	9.60E-06
2905	381440.1	3734808	9.40E-05	1.45E-05	9.62E-06
2906	380320.1	3734818	4.99E-05	7.68E-06	5.11E-06
2907	380330.1	3734818	5.02E-05	7.74E-06	5.14E-06

2908	380340.1	3734818	5.06E-05	7.79E-06	5.18E-06
2909	380350.1	3734818	5.09E-05	7.85E-06	5.21E-06
2910	380360.1	3734818	5.13E-05	7.90E-06	5.25E-06
2911	380370.1	3734818	5.15E-05	7.94E-06	5.28E-06
2912	380380.1	3734818	5.19E-05	7.99E-06	5.31E-06
2913	380390.1	3734818	5.22E-05	8.05E-06	5.35E-06
2914	380400.1	3734818	5.26E-05	8.10E-06	5.38E-06
2915	380410.1	3734818	5.30E-05	8.17E-06	5.43E-06
2916	380420.1	3734818	5.33E-05	8.22E-06	5.46E-06
2917	380430.1	3734818	5.37E-05	8.28E-06	5.50E-06
2918	380440.1	3734818	5.40E-05	8.33E-06	5.54E-06
2919	380450.1	3734818	5.43E-05	8.37E-06	5.56E-06
2920	380460.1	3734818	5.47E-05	8.42E-06	5.60E-06
2921	380470.1	3734818	5.50E-05	8.48E-06	5.63E-06
2922	380480.1	3734818	5.54E-05	8.53E-06	5.67E-06
2923	380490.1	3734818	5.57E-05	8.59E-06	5.71E-06
2924	380500.1	3734818	5.60E-05	8.63E-06	5.73E-06
2925	380510.1	3734818	5.62E-05	8.67E-06	5.76E-06
2926	380520.1	3734818	5.65E-05	8.71E-06	5.79E-06
2927	380530.1	3734818	5.68E-05	8.76E-06	5.82E-06
2928	380540.1	3734818	5.72E-05	8.81E-06	5.86E-06
2929	380550.1	3734818	5.74E-05	8.85E-06	5.88E-06
2930	380560.1	3734818	5.78E-05	8.91E-06	5.92E-06
2931	380570.1	3734818	5.81E-05	8.96E-06	5.96E-06
2932	380580.1	3734818	5.84E-05	9.00E-06	5.98E-06
2933	380590.1	3734818	5.88E-05	9.06E-06	6.02E-06
2934	380600.1	3734818	5.91E-05	9.11E-06	6.05E-06
2935	380610.1	3734818	5.95E-05	9.16E-06	6.09E-06
2936	380620.1	3734818	5.97E-05	9.20E-06	6.12E-06
2937	380630.1	3734818	6.01E-05	9.26E-06	6.15E-06
2938	380640.1	3734818	6.04E-05	9.31E-06	6.19E-06
2939	380650.1	3734818	6.08E-05	9.36E-06	6.22E-06
2940	380660.1	3734818	6.11E-05	9.42E-06	6.26E-06
2941	380670.1	3734818	6.15E-05	9.49E-06	6.30E-06
2942	380680.1	3734818	6.18E-05	9.53E-06	6.33E-06
2943	380690.1	3734818	6.22E-05	9.58E-06	6.37E-06
2944	380700.1	3734818	6.24E-05	9.62E-06	6.39E-06
2945	380710.1	3734818	6.28E-05	9.67E-06	6.43E-06
2946	380720.1	3734818	6.30E-05	9.71E-06	6.46E-06
2947	380730.1	3734818	6.34E-05	9.77E-06	6.49E-06
2948	380740.1	3734818	6.36E-05	9.81E-06	6.52E-06
2949	380750.1	3734818	6.40E-05	9.86E-06	6.55E-06
2950	380760.1	3734818	6.42E-05	9.90E-06	6.58E-06
2951	380770.1	3734818	6.46E-05	9.96E-06	6.62E-06
2952	380780.1	3734818	6.49E-05	1.00E-05	6.65E-06
2953	380790.1	3734818	6.53E-05	1.01E-05	6.69E-06
2954	380800.1	3734818	6.56E-05	1.01E-05	6.72E-06

2955	380810.1	3734818	6.61E-05	1.02E-05	6.77E-06
2956	380820.1	3734818	6.64E-05	1.02E-05	6.80E-06
2957	380830.1	3734818	6.69E-05	1.03E-05	6.85E-06
2958	380840.1	3734818	6.74E-05	1.04E-05	6.90E-06
2959	380850.1	3734818	6.78E-05	1.05E-05	6.95E-06
2960	380860.1	3734818	6.83E-05	1.05E-05	6.99E-06
2961	380870.1	3734818	6.87E-05	1.06E-05	7.04E-06
2962	380880.1	3734818	6.91E-05	1.07E-05	7.08E-06
2963	380890.1	3734818	6.96E-05	1.07E-05	7.13E-06
2964	380900.1	3734818	7.02E-05	1.08E-05	7.19E-06
2965	380910.1	3734818	7.07E-05	1.09E-05	7.24E-06
2966	380920.1	3734818	7.11E-05	1.10E-05	7.29E-06
2967	380930.1	3734818	7.17E-05	1.10E-05	7.34E-06
2968	380940.1	3734818	7.21E-05	1.11E-05	7.38E-06
2969	380950.1	3734818	7.25E-05	1.12E-05	7.43E-06
2970	380960.1	3734818	7.30E-05	1.12E-05	7.47E-06
2971	380970.1	3734818	7.34E-05	1.13E-05	7.52E-06
2972	380980.1	3734818	7.38E-05	1.14E-05	7.56E-06
2973	380990.1	3734818	7.43E-05	1.14E-05	7.61E-06
2974	381000.1	3734818	7.47E-05	1.15E-05	7.65E-06
2975	381010.1	3734818	7.53E-05	1.16E-05	7.71E-06
2976	381020.1	3734818	7.58E-05	1.17E-05	7.77E-06
2977	381030.1	3734818	7.64E-05	1.18E-05	7.82E-06
2978	381040.1	3734818	7.68E-05	1.18E-05	7.87E-06
2979	381050.1	3734818	7.71E-05	1.19E-05	7.90E-06
2980	381060.1	3734818	7.76E-05	1.20E-05	7.95E-06
2981	381070.1	3734818	7.80E-05	1.20E-05	7.99E-06
2982	381080.1	3734818	7.85E-05	1.21E-05	8.04E-06
2983	381090.1	3734818	7.89E-05	1.22E-05	8.08E-06
2984	381100.1	3734818	7.93E-05	1.22E-05	8.12E-06
2985	381110.1	3734818	7.98E-05	1.23E-05	8.17E-06
2986	381120.1	3734818	8.03E-05	1.24E-05	8.22E-06
2987	381130.1	3734818	8.07E-05	1.24E-05	8.27E-06
2988	381140.1	3734818	8.12E-05	1.25E-05	8.32E-06
2989	381150.1	3734818	8.17E-05	1.26E-05	8.37E-06
2990	381160.1	3734818	8.21E-05	1.27E-05	8.41E-06
2991	381170.1	3734818	8.26E-05	1.27E-05	8.46E-06
2992	381180.1	3734818	8.31E-05	1.28E-05	8.51E-06
2993	381190.1	3734818	8.35E-05	1.29E-05	8.55E-06
2994	381200.1	3734818	8.39E-05	1.29E-05	8.60E-06
2995	381210.1	3734818	8.44E-05	1.30E-05	8.64E-06
2996	381220.1	3734818	8.48E-05	1.31E-05	8.69E-06
2997	381230.1	3734818	8.53E-05	1.31E-05	8.73E-06
2998	381240.1	3734818	8.57E-05	1.32E-05	8.78E-06
2999	381250.1	3734818	8.61E-05	1.33E-05	8.82E-06
3000	381260.1	3734818	8.65E-05	1.33E-05	8.86E-06
3001	381270.1	3734818	8.68E-05	1.34E-05	8.89E-06

3002	381280.1	3734818	8.72E-05	1.34E-05	8.93E-06
3003	381290.1	3734818	8.75E-05	1.35E-05	8.96E-06
3004	381300.1	3734818	8.80E-05	1.36E-05	9.01E-06
3005	381310.1	3734818	8.82E-05	1.36E-05	9.04E-06
3006	381320.1	3734818	8.86E-05	1.37E-05	9.07E-06
3007	381330.1	3734818	8.89E-05	1.37E-05	9.11E-06
3008	381340.1	3734818	8.94E-05	1.38E-05	9.16E-06
3009	381350.1	3734818	9.00E-05	1.39E-05	9.21E-06
3010	381360.1	3734818	9.06E-05	1.40E-05	9.28E-06
3011	381370.1	3734818	9.13E-05	1.41E-05	9.35E-06
3012	381380.1	3734818	9.21E-05	1.42E-05	9.44E-06
3013	381390.1	3734818	9.30E-05	1.43E-05	9.53E-06
3014	381400.1	3734818	9.36E-05	1.44E-05	9.59E-06
3015	380330.1	3734828	5.06E-05	7.79E-06	5.18E-06
3016	380340.1	3734828	5.08E-05	7.83E-06	5.21E-06
3017	380350.1	3734828	5.12E-05	7.89E-06	5.24E-06
3018	380360.1	3734828	5.15E-05	7.94E-06	5.28E-06
3019	380370.1	3734828	5.19E-05	7.99E-06	5.31E-06
3020	380380.1	3734828	5.22E-05	8.05E-06	5.35E-06
3021	380390.1	3734828	5.26E-05	8.10E-06	5.38E-06
3022	380400.1	3734828	5.28E-05	8.14E-06	5.41E-06
3023	380410.1	3734828	5.33E-05	8.21E-06	5.46E-06
3024	380420.1	3734828	5.36E-05	8.26E-06	5.49E-06
3025	380430.1	3734828	5.40E-05	8.32E-06	5.53E-06
3026	380440.1	3734828	5.43E-05	8.37E-06	5.56E-06
3027	380450.1	3734828	5.47E-05	8.42E-06	5.60E-06
3028	380460.1	3734828	5.49E-05	8.46E-06	5.62E-06
3029	380470.1	3734828	5.53E-05	8.52E-06	5.66E-06
3030	380480.1	3734828	5.57E-05	8.59E-06	5.71E-06
3031	380490.1	3734828	5.61E-05	8.64E-06	5.74E-06
3032	380500.1	3734828	5.63E-05	8.68E-06	5.77E-06
3033	380510.1	3734828	5.66E-05	8.72E-06	5.79E-06
3034	380520.1	3734828	5.69E-05	8.77E-06	5.83E-06
3035	380530.1	3734828	5.72E-05	8.81E-06	5.86E-06
3036	380540.1	3734828	5.75E-05	8.87E-06	5.89E-06
3037	380550.1	3734828	5.79E-05	8.92E-06	5.93E-06
3038	380560.1	3734828	5.81E-05	8.96E-06	5.96E-06
3039	380570.1	3734828	5.85E-05	9.01E-06	5.99E-06
3040	380580.1	3734828	5.88E-05	9.07E-06	6.03E-06
3041	380590.1	3734828	5.92E-05	9.12E-06	6.06E-06
3042	380600.1	3734828	5.95E-05	9.18E-06	6.10E-06
3043	380610.1	3734828	5.99E-05	9.23E-06	6.13E-06
3044	380620.1	3734828	6.02E-05	9.28E-06	6.17E-06
3045	380630.1	3734828	6.05E-05	9.32E-06	6.20E-06
3046	380640.1	3734828	6.08E-05	9.38E-06	6.23E-06
3047	380650.1	3734828	6.12E-05	9.43E-06	6.27E-06
3048	380660.1	3734828	6.15E-05	9.49E-06	6.30E-06

3049	380670.1	3734828	6.20E-05	9.55E-06	6.35E-06
3050	380680.1	3734828	6.22E-05	9.59E-06	6.37E-06
3051	380690.1	3734828	6.26E-05	9.65E-06	6.41E-06
3052	380700.1	3734828	6.29E-05	9.70E-06	6.45E-06
3053	380710.1	3734828	6.32E-05	9.74E-06	6.47E-06
3054	380720.1	3734828	6.35E-05	9.79E-06	6.51E-06
3055	380730.1	3734828	6.38E-05	9.83E-06	6.54E-06
3056	380740.1	3734828	6.42E-05	9.89E-06	6.57E-06
3057	380750.1	3734828	6.45E-05	9.94E-06	6.61E-06
3058	380760.1	3734828	6.48E-05	9.98E-06	6.63E-06
3059	380770.1	3734828	6.51E-05	1.00E-05	6.67E-06
3060	380780.1	3734828	6.55E-05	1.01E-05	6.71E-06
3061	380790.1	3734828	6.58E-05	1.01E-05	6.74E-06
3062	380800.1	3734828	6.63E-05	1.02E-05	6.79E-06
3063	380810.1	3734828	6.66E-05	1.03E-05	6.82E-06
3064	380820.1	3734828	6.70E-05	1.03E-05	6.87E-06
3065	380830.1	3734828	6.75E-05	1.04E-05	6.91E-06
3066	380840.1	3734828	6.79E-05	1.05E-05	6.96E-06
3067	380850.1	3734828	6.83E-05	1.05E-05	7.00E-06
3068	380860.1	3734828	6.88E-05	1.06E-05	7.04E-06
3069	380870.1	3734828	6.92E-05	1.07E-05	7.09E-06
3070	380880.1	3734828	6.96E-05	1.07E-05	7.13E-06
3071	380890.1	3734828	7.02E-05	1.08E-05	7.19E-06
3072	380900.1	3734828	7.06E-05	1.09E-05	7.23E-06
3073	380910.1	3734828	7.11E-05	1.10E-05	7.29E-06
3074	380920.1	3734828	7.16E-05	1.10E-05	7.33E-06
3075	380930.1	3734828	7.21E-05	1.11E-05	7.38E-06
3076	380940.1	3734828	7.26E-05	1.12E-05	7.44E-06
3077	380950.1	3734828	7.30E-05	1.13E-05	7.48E-06
3078	380960.1	3734828	7.36E-05	1.13E-05	7.54E-06
3079	380970.1	3734828	7.40E-05	1.14E-05	7.58E-06
3080	380980.1	3734828	7.44E-05	1.15E-05	7.62E-06
3081	380990.1	3734828	7.50E-05	1.16E-05	7.68E-06
3082	381000.1	3734828	7.54E-05	1.16E-05	7.72E-06
3083	381010.1	3734828	7.59E-05	1.17E-05	7.78E-06
3084	381020.1	3734828	7.64E-05	1.18E-05	7.83E-06
3085	381030.1	3734828	7.71E-05	1.19E-05	7.89E-06
3086	381040.1	3734828	7.75E-05	1.19E-05	7.94E-06
3087	381050.1	3734828	7.79E-05	1.20E-05	7.98E-06
3088	381060.1	3734828	7.84E-05	1.21E-05	8.03E-06
3089	381070.1	3734828	7.88E-05	1.21E-05	8.07E-06
3090	381080.1	3734828	7.92E-05	1.22E-05	8.12E-06
3091	381090.1	3734828	7.97E-05	1.23E-05	8.16E-06
3092	381100.1	3734828	8.01E-05	1.23E-05	8.21E-06
3093	381110.1	3734828	8.05E-05	1.24E-05	8.25E-06
3094	381120.1	3734828	8.10E-05	1.25E-05	8.29E-06
3095	381130.1	3734828	8.15E-05	1.26E-05	8.35E-06

3096	381140.1	3734828	8.19E-05	1.26E-05	8.39E-06
3097	381150.1	3734828	8.25E-05	1.27E-05	8.45E-06
3098	381160.1	3734828	8.29E-05	1.28E-05	8.49E-06
3099	381170.1	3734828	8.33E-05	1.28E-05	8.54E-06
3100	381180.1	3734828	8.38E-05	1.29E-05	8.58E-06
3101	381190.1	3734828	8.42E-05	1.30E-05	8.62E-06
3102	381200.1	3734828	8.46E-05	1.30E-05	8.67E-06
3103	381210.1	3734828	8.51E-05	1.31E-05	8.71E-06
3104	381220.1	3734828	8.56E-05	1.32E-05	8.77E-06
3105	381230.1	3734828	8.60E-05	1.33E-05	8.81E-06
3106	381240.1	3734828	8.65E-05	1.33E-05	8.86E-06
3107	381250.1	3734828	8.69E-05	1.34E-05	8.90E-06
3108	381260.1	3734828	8.73E-05	1.34E-05	8.94E-06
3109	381270.1	3734828	8.77E-05	1.35E-05	8.98E-06
3110	381280.1	3734828	8.80E-05	1.36E-05	9.02E-06
3111	381290.1	3734828	8.84E-05	1.36E-05	9.05E-06
3112	381300.1	3734828	8.87E-05	1.37E-05	9.09E-06
3113	381310.1	3734828	8.91E-05	1.37E-05	9.12E-06
3114	381320.1	3734828	8.94E-05	1.38E-05	9.16E-06
3115	381330.1	3734828	8.98E-05	1.38E-05	9.20E-06
3116	381340.1	3734828	9.04E-05	1.39E-05	9.26E-06
3117	380340.1	3734838	5.12E-05	7.89E-06	5.24E-06
3118	380350.1	3734838	5.15E-05	7.94E-06	5.28E-06
3119	380360.1	3734838	5.18E-05	7.98E-06	5.30E-06
3120	380370.1	3734838	5.21E-05	8.03E-06	5.34E-06
3121	380380.1	3734838	5.25E-05	8.09E-06	5.37E-06
3122	380390.1	3734838	5.28E-05	8.14E-06	5.41E-06
3123	380400.1	3734838	5.32E-05	8.20E-06	5.45E-06
3124	380410.1	3734838	5.35E-05	8.25E-06	5.48E-06
3125	380420.1	3734838	5.39E-05	8.30E-06	5.52E-06
3126	380430.1	3734838	5.42E-05	8.36E-06	5.55E-06
3127	380440.1	3734838	5.46E-05	8.41E-06	5.59E-06
3128	380450.1	3734838	5.48E-05	8.45E-06	5.62E-06
3129	380460.1	3734838	5.52E-05	8.50E-06	5.65E-06
3130	380470.1	3734838	5.56E-05	8.57E-06	5.70E-06
3131	380480.1	3734838	5.60E-05	8.63E-06	5.73E-06
3132	380490.1	3734838	5.63E-05	8.68E-06	5.77E-06
3133	380500.1	3734838	5.67E-05	8.73E-06	5.80E-06
3134	380510.1	3734838	5.70E-05	8.79E-06	5.84E-06
3135	380520.1	3734838	5.73E-05	8.83E-06	5.87E-06
3136	380530.1	3734838	5.76E-05	8.88E-06	5.90E-06
3137	380540.1	3734838	5.80E-05	8.93E-06	5.94E-06
3138	380550.1	3734838	5.83E-05	8.99E-06	5.97E-06
3139	380560.1	3734838	5.86E-05	9.03E-06	6.00E-06
3140	380570.1	3734838	5.89E-05	9.08E-06	6.04E-06
3141	380580.1	3734838	5.93E-05	9.14E-06	6.07E-06
3142	380590.1	3734838	5.96E-05	9.19E-06	6.11E-06

3143	380600.1	3734838	6.00E-05	9.24E-06	6.14E-06
3144	380610.1	3734838	6.03E-05	9.30E-06	6.18E-06
3145	380620.1	3734838	6.07E-05	9.35E-06	6.21E-06
3146	380630.1	3734838	6.10E-05	9.40E-06	6.25E-06
3147	380640.1	3734838	6.14E-05	9.46E-06	6.29E-06
3148	380650.1	3734838	6.17E-05	9.51E-06	6.32E-06
3149	380660.1	3734838	6.21E-05	9.57E-06	6.36E-06
3150	380670.1	3734838	6.24E-05	9.62E-06	6.39E-06
3151	380680.1	3734838	6.27E-05	9.66E-06	6.42E-06
3152	380690.1	3734838	6.30E-05	9.71E-06	6.46E-06
3153	380700.1	3734838	6.34E-05	9.77E-06	6.49E-06
3154	380710.1	3734838	6.37E-05	9.82E-06	6.53E-06
3155	380720.1	3734838	6.40E-05	9.86E-06	6.55E-06
3156	380730.1	3734838	6.43E-05	9.92E-06	6.59E-06
3157	380740.1	3734838	6.47E-05	9.97E-06	6.62E-06
3158	380750.1	3734838	6.50E-05	1.00E-05	6.66E-06
3159	380760.1	3734838	6.54E-05	1.01E-05	6.70E-06
3160	380770.1	3734838	6.57E-05	1.01E-05	6.73E-06
3161	380780.1	3734838	6.61E-05	1.02E-05	6.77E-06
3162	380790.1	3734838	6.64E-05	1.02E-05	6.80E-06
3163	380800.1	3734838	6.69E-05	1.03E-05	6.85E-06
3164	380810.1	3734838	6.72E-05	1.04E-05	6.88E-06
3165	380820.1	3734838	6.76E-05	1.04E-05	6.92E-06
3166	380830.1	3734838	6.80E-05	1.05E-05	6.96E-06
3167	380840.1	3734838	6.85E-05	1.06E-05	7.02E-06
3168	380850.1	3734838	6.90E-05	1.06E-05	7.06E-06
3169	380860.1	3734838	6.94E-05	1.07E-05	7.11E-06
3170	380870.1	3734838	6.97E-05	1.07E-05	7.14E-06
3171	380880.1	3734838	7.02E-05	1.08E-05	7.19E-06
3172	380890.1	3734838	7.06E-05	1.09E-05	7.23E-06
3173	380900.1	3734838	7.10E-05	1.09E-05	7.28E-06
3174	380910.1	3734838	7.15E-05	1.10E-05	7.32E-06
3175	380920.1	3734838	7.20E-05	1.11E-05	7.37E-06
3176	380930.1	3734838	7.25E-05	1.12E-05	7.43E-06
3177	380940.1	3734838	7.30E-05	1.13E-05	7.48E-06
3178	380950.1	3734838	7.36E-05	1.13E-05	7.54E-06
3179	380960.1	3734838	7.41E-05	1.14E-05	7.59E-06
3180	380970.1	3734838	7.46E-05	1.15E-05	7.64E-06
3181	380980.1	3734838	7.51E-05	1.16E-05	7.69E-06
3182	380990.1	3734838	7.56E-05	1.16E-05	7.74E-06
3183	381000.1	3734838	7.60E-05	1.17E-05	7.79E-06
3184	381010.1	3734838	7.66E-05	1.18E-05	7.85E-06
3185	381020.1	3734838	7.71E-05	1.19E-05	7.90E-06
3186	381030.1	3734838	7.77E-05	1.20E-05	7.96E-06
3187	381040.1	3734838	7.82E-05	1.21E-05	8.01E-06
3188	381050.1	3734838	7.86E-05	1.21E-05	8.05E-06
3189	381060.1	3734838	7.92E-05	1.22E-05	8.11E-06

3190	381070.1	3734838	7.96E-05	1.23E-05	8.15E-06
3191	381080.1	3734838	8.00E-05	1.23E-05	8.20E-06
3192	381090.1	3734838	8.05E-05	1.24E-05	8.24E-06
3193	381100.1	3734838	8.09E-05	1.25E-05	8.29E-06
3194	381110.1	3734838	8.13E-05	1.25E-05	8.33E-06
3195	381120.1	3734838	8.18E-05	1.26E-05	8.37E-06
3196	381130.1	3734838	8.23E-05	1.27E-05	8.43E-06
3197	381140.1	3734838	8.27E-05	1.27E-05	8.47E-06
3198	381150.1	3734838	8.32E-05	1.28E-05	8.53E-06
3199	381160.1	3734838	8.37E-05	1.29E-05	8.57E-06
3200	381170.1	3734838	8.41E-05	1.30E-05	8.62E-06
3201	381180.1	3734838	8.46E-05	1.30E-05	8.66E-06
3202	381190.1	3734838	8.51E-05	1.31E-05	8.71E-06
3203	381200.1	3734838	8.55E-05	1.32E-05	8.76E-06
3204	381210.1	3734838	8.60E-05	1.32E-05	8.80E-06
3205	381220.1	3734838	8.64E-05	1.33E-05	8.85E-06
3206	381230.1	3734838	8.68E-05	1.34E-05	8.89E-06
3207	381240.1	3734838	8.73E-05	1.35E-05	8.95E-06
3208	381250.1	3734838	8.77E-05	1.35E-05	8.98E-06
3209	381260.1	3734838	8.81E-05	1.36E-05	9.03E-06
3210	381270.1	3734838	8.85E-05	1.36E-05	9.06E-06
3211	381280.1	3734838	8.89E-05	1.37E-05	9.11E-06
3212	381290.1	3734838	8.93E-05	1.38E-05	9.14E-06
3213	381300.1	3734838	8.96E-05	1.38E-05	9.18E-06
3214	381310.1	3734838	9.00E-05	1.39E-05	9.21E-06
3215	381320.1	3734838	9.04E-05	1.39E-05	9.26E-06
3216	381330.1	3734838	9.07E-05	1.40E-05	9.29E-06
3217	381340.1	3734838	9.14E-05	1.41E-05	9.36E-06
3218	380360.1	3734848	5.21E-05	8.03E-06	5.34E-06
3219	380370.1	3734848	5.25E-05	8.09E-06	5.37E-06
3220	380380.1	3734848	5.27E-05	8.13E-06	5.40E-06
3221	380390.1	3734848	5.31E-05	8.18E-06	5.44E-06
3222	380400.1	3734848	5.34E-05	8.24E-06	5.47E-06
3223	380410.1	3734848	5.38E-05	8.29E-06	5.51E-06
3224	380420.1	3734848	5.41E-05	8.34E-06	5.54E-06
3225	380430.1	3734848	5.45E-05	8.40E-06	5.58E-06
3226	380440.1	3734848	5.48E-05	8.45E-06	5.62E-06
3227	380450.1	3734848	5.51E-05	8.49E-06	5.64E-06
3228	380460.1	3734848	5.54E-05	8.54E-06	5.68E-06
3229	380470.1	3734848	5.59E-05	8.61E-06	5.72E-06
3230	380480.1	3734848	5.62E-05	8.67E-06	5.76E-06
3231	380490.1	3734848	5.66E-05	8.72E-06	5.79E-06
3232	380500.1	3734848	5.70E-05	8.79E-06	5.84E-06
3233	380510.1	3734848	5.74E-05	8.84E-06	5.87E-06
3234	380520.1	3734848	5.77E-05	8.89E-06	5.91E-06
3235	380530.1	3734848	5.81E-05	8.95E-06	5.95E-06
3236	380540.1	3734848	5.84E-05	9.00E-06	5.98E-06

3237	380550.1	3734848	5.87E-05	9.04E-06	6.01E-06
3238	380560.1	3734848	5.90E-05	9.10E-06	6.04E-06
3239	380570.1	3734848	5.94E-05	9.15E-06	6.08E-06
3240	380580.1	3734848	5.97E-05	9.20E-06	6.12E-06
3241	380590.1	3734848	6.01E-05	9.26E-06	6.15E-06
3242	380600.1	3734848	6.04E-05	9.31E-06	6.19E-06
3243	380610.1	3734848	6.08E-05	9.36E-06	6.22E-06
3244	380620.1	3734848	6.12E-05	9.43E-06	6.27E-06
3245	380630.1	3734848	6.15E-05	9.49E-06	6.30E-06
3246	380640.1	3734848	6.19E-05	9.54E-06	6.34E-06
3247	380650.1	3734848	6.22E-05	9.58E-06	6.37E-06
3248	380660.1	3734848	6.25E-05	9.63E-06	6.40E-06
3249	380670.1	3734848	6.29E-05	9.69E-06	6.44E-06
3250	380680.1	3734848	6.32E-05	9.74E-06	6.47E-06
3251	380690.1	3734848	6.35E-05	9.79E-06	6.51E-06
3252	380700.1	3734848	6.39E-05	9.85E-06	6.54E-06
3253	380710.1	3734848	6.42E-05	9.89E-06	6.57E-06
3254	380720.1	3734848	6.45E-05	9.94E-06	6.61E-06
3255	380730.1	3734848	6.49E-05	1.00E-05	6.64E-06
3256	380740.1	3734848	6.52E-05	1.00E-05	6.68E-06
3257	380750.1	3734848	6.56E-05	1.01E-05	6.72E-06
3258	380760.1	3734848	6.60E-05	1.02E-05	6.76E-06
3259	380770.1	3734848	6.63E-05	1.02E-05	6.79E-06
3260	380780.1	3734848	6.67E-05	1.03E-05	6.83E-06
3261	380790.1	3734848	6.70E-05	1.03E-05	6.87E-06
3262	380800.1	3734848	6.75E-05	1.04E-05	6.91E-06
3263	380810.1	3734848	6.78E-05	1.05E-05	6.95E-06
3264	380820.1	3734848	6.82E-05	1.05E-05	6.98E-06
3265	380830.1	3734848	6.86E-05	1.06E-05	7.03E-06
3266	380840.1	3734848	6.90E-05	1.06E-05	7.07E-06
3267	380850.1	3734848	6.96E-05	1.07E-05	7.12E-06
3268	380860.1	3734848	6.99E-05	1.08E-05	7.16E-06
3269	380870.1	3734848	7.03E-05	1.08E-05	7.21E-06
3270	380880.1	3734848	7.08E-05	1.09E-05	7.25E-06
3271	380890.1	3734848	7.11E-05	1.10E-05	7.29E-06
3272	380900.1	3734848	7.16E-05	1.10E-05	7.33E-06
3273	380910.1	3734848	7.19E-05	1.11E-05	7.37E-06
3274	380920.1	3734848	7.24E-05	1.12E-05	7.42E-06
3275	380930.1	3734848	7.30E-05	1.13E-05	7.48E-06
3276	380940.1	3734848	7.36E-05	1.13E-05	7.54E-06
3277	380950.1	3734848	7.41E-05	1.14E-05	7.59E-06
3278	380960.1	3734848	7.46E-05	1.15E-05	7.64E-06
3279	380970.1	3734848	7.52E-05	1.16E-05	7.71E-06
3280	380980.1	3734848	7.58E-05	1.17E-05	7.76E-06
3281	380990.1	3734848	7.62E-05	1.17E-05	7.80E-06
3282	381000.1	3734848	7.67E-05	1.18E-05	7.86E-06
3283	381010.1	3734848	7.72E-05	1.19E-05	7.91E-06

3284	381020.1	3734848	7.78E-05	1.20E-05	7.97E-06
3285	381030.1	3734848	7.84E-05	1.21E-05	8.03E-06
3286	381040.1	3734848	7.89E-05	1.22E-05	8.08E-06
3287	381050.1	3734848	7.94E-05	1.22E-05	8.13E-06
3288	381060.1	3734848	7.99E-05	1.23E-05	8.19E-06
3289	381070.1	3734848	8.04E-05	1.24E-05	8.23E-06
3290	381080.1	3734848	8.08E-05	1.25E-05	8.28E-06
3291	381090.1	3734848	8.13E-05	1.25E-05	8.33E-06
3292	381100.1	3734848	8.18E-05	1.26E-05	8.37E-06
3293	381110.1	3734848	8.22E-05	1.27E-05	8.42E-06
3294	381120.1	3734848	8.26E-05	1.27E-05	8.46E-06
3295	381130.1	3734848	8.31E-05	1.28E-05	8.51E-06
3296	381140.1	3734848	8.35E-05	1.29E-05	8.55E-06
3297	381150.1	3734848	8.40E-05	1.30E-05	8.61E-06
3298	381160.1	3734848	8.45E-05	1.30E-05	8.65E-06
3299	381170.1	3734848	8.49E-05	1.31E-05	8.70E-06
3300	381180.1	3734848	8.54E-05	1.32E-05	8.75E-06
3301	381190.1	3734848	8.59E-05	1.32E-05	8.79E-06
3302	381200.1	3734848	8.63E-05	1.33E-05	8.84E-06
3303	381210.1	3734848	8.67E-05	1.34E-05	8.88E-06
3304	381220.1	3734848	8.72E-05	1.34E-05	8.93E-06
3305	381230.1	3734848	8.77E-05	1.35E-05	8.98E-06
3306	381240.1	3734848	8.81E-05	1.36E-05	9.03E-06
3307	381250.1	3734848	8.86E-05	1.37E-05	9.07E-06
3308	381260.1	3734848	8.90E-05	1.37E-05	9.12E-06
3309	381270.1	3734848	8.94E-05	1.38E-05	9.16E-06
3310	381280.1	3734848	8.98E-05	1.38E-05	9.20E-06
3311	381290.1	3734848	9.01E-05	1.39E-05	9.23E-06
3312	381300.1	3734848	9.05E-05	1.39E-05	9.27E-06
3313	381310.1	3734848	9.09E-05	1.40E-05	9.31E-06
3314	381320.1	3734848	9.14E-05	1.41E-05	9.36E-06
3315	381330.1	3734848	9.17E-05	1.41E-05	9.39E-06
3316	381340.1	3734848	9.24E-05	1.42E-05	9.46E-06
3317	380370.1	3734858	5.27E-05	8.13E-06	5.40E-06
3318	380380.1	3734858	5.31E-05	8.18E-06	5.44E-06
3319	380390.1	3734858	5.33E-05	8.22E-06	5.46E-06
3320	380400.1	3734858	5.37E-05	8.28E-06	5.50E-06
3321	380410.1	3734858	5.40E-05	8.33E-06	5.54E-06
3322	380420.1	3734858	5.44E-05	8.38E-06	5.57E-06
3323	380430.1	3734858	5.47E-05	8.44E-06	5.61E-06
3324	380440.1	3734858	5.51E-05	8.49E-06	5.64E-06
3325	380450.1	3734858	5.54E-05	8.54E-06	5.68E-06
3326	380460.1	3734858	5.58E-05	8.60E-06	5.71E-06
3327	380470.1	3734858	5.61E-05	8.65E-06	5.75E-06
3328	380480.1	3734858	5.66E-05	8.72E-06	5.79E-06
3329	380490.1	3734858	5.69E-05	8.77E-06	5.83E-06
3330	380500.1	3734858	5.74E-05	8.84E-06	5.87E-06

3331	380510.1	3734858	5.77E-05	8.89E-06	5.91E-06
3332	380520.1	3734858	5.81E-05	8.96E-06	5.96E-06
3333	380530.1	3734858	5.85E-05	9.01E-06	5.99E-06
3334	380540.1	3734858	5.88E-05	9.07E-06	6.03E-06
3335	380550.1	3734858	5.91E-05	9.11E-06	6.05E-06
3336	380560.1	3734858	5.95E-05	9.16E-06	6.09E-06
3337	380570.1	3734858	5.98E-05	9.22E-06	6.12E-06
3338	380580.1	3734858	6.01E-05	9.27E-06	6.16E-06
3339	380590.1	3734858	6.05E-05	9.32E-06	6.20E-06
3340	380600.1	3734858	6.09E-05	9.39E-06	6.24E-06
3341	380610.1	3734858	6.13E-05	9.44E-06	6.28E-06
3342	380620.1	3734858	6.16E-05	9.50E-06	6.31E-06
3343	380630.1	3734858	6.20E-05	9.55E-06	6.35E-06
3344	380640.1	3734858	6.23E-05	9.61E-06	6.38E-06
3345	380650.1	3734858	6.27E-05	9.66E-06	6.42E-06
3346	380660.1	3734858	6.30E-05	9.71E-06	6.46E-06
3347	380670.1	3734858	6.34E-05	9.77E-06	6.49E-06
3348	380680.1	3734858	6.36E-05	9.81E-06	6.52E-06
3349	380690.1	3734858	6.40E-05	9.86E-06	6.55E-06
3350	380700.1	3734858	6.43E-05	9.92E-06	6.59E-06
3351	380710.1	3734858	6.47E-05	9.97E-06	6.62E-06
3352	380720.1	3734858	6.50E-05	1.00E-05	6.66E-06
3353	380730.1	3734858	6.54E-05	1.01E-05	6.70E-06
3354	380740.1	3734858	6.58E-05	1.01E-05	6.74E-06
3355	380750.1	3734858	6.62E-05	1.02E-05	6.78E-06
3356	380760.1	3734858	6.66E-05	1.03E-05	6.82E-06
3357	380770.1	3734858	6.69E-05	1.03E-05	6.86E-06
3358	380780.1	3734858	6.73E-05	1.04E-05	6.89E-06
3359	380790.1	3734858	6.76E-05	1.04E-05	6.93E-06
3360	380800.1	3734858	6.80E-05	1.05E-05	6.96E-06
3361	380810.1	3734858	6.83E-05	1.05E-05	7.00E-06
3362	380820.1	3734858	6.88E-05	1.06E-05	7.04E-06
3363	380830.1	3734858	6.92E-05	1.07E-05	7.09E-06
3364	380840.1	3734858	6.96E-05	1.07E-05	7.13E-06
3365	380850.1	3734858	7.01E-05	1.08E-05	7.18E-06
3366	380860.1	3734858	7.05E-05	1.09E-05	7.22E-06
3367	380870.1	3734858	7.09E-05	1.09E-05	7.26E-06
3368	380880.1	3734858	7.13E-05	1.10E-05	7.30E-06
3369	380890.1	3734858	7.17E-05	1.10E-05	7.34E-06
3370	380900.1	3734858	7.21E-05	1.11E-05	7.38E-06
3371	380910.1	3734858	7.24E-05	1.12E-05	7.42E-06
3372	380920.1	3734858	7.30E-05	1.12E-05	7.47E-06
3373	380930.1	3734858	7.35E-05	1.13E-05	7.53E-06
3374	380940.1	3734858	7.41E-05	1.14E-05	7.59E-06
3375	380950.1	3734858	7.46E-05	1.15E-05	7.64E-06
3376	380960.1	3734858	7.52E-05	1.16E-05	7.71E-06
3377	380970.1	3734858	7.58E-05	1.17E-05	7.76E-06

3378	380980.1	3734858	7.63E-05	1.18E-05	7.81E-06
3379	380990.1	3734858	7.68E-05	1.18E-05	7.87E-06
3380	381000.1	3734858	7.73E-05	1.19E-05	7.92E-06
3381	381010.1	3734858	7.79E-05	1.20E-05	7.98E-06
3382	381020.1	3734858	7.85E-05	1.21E-05	8.04E-06
3383	381030.1	3734858	7.91E-05	1.22E-05	8.10E-06
3384	381040.1	3734858	7.96E-05	1.23E-05	8.15E-06
3385	381050.1	3734858	8.01E-05	1.23E-05	8.21E-06
3386	381060.1	3734858	8.06E-05	1.24E-05	8.26E-06
3387	381070.1	3734858	8.12E-05	1.25E-05	8.31E-06
3388	381080.1	3734858	8.16E-05	1.26E-05	8.36E-06
3389	381090.1	3734858	8.21E-05	1.27E-05	8.41E-06
3390	381100.1	3734858	8.26E-05	1.27E-05	8.46E-06
3391	381110.1	3734858	8.30E-05	1.28E-05	8.50E-06
3392	381120.1	3734858	8.34E-05	1.29E-05	8.54E-06
3393	381130.1	3734858	8.39E-05	1.29E-05	8.59E-06
3394	381140.1	3734858	8.43E-05	1.30E-05	8.63E-06
3395	381150.1	3734858	8.48E-05	1.31E-05	8.69E-06
3396	381160.1	3734858	8.53E-05	1.31E-05	8.73E-06
3397	381170.1	3734858	8.57E-05	1.32E-05	8.78E-06
3398	381180.1	3734858	8.62E-05	1.33E-05	8.83E-06
3399	381190.1	3734858	8.66E-05	1.34E-05	8.87E-06
3400	381200.1	3734858	8.71E-05	1.34E-05	8.92E-06
3401	381210.1	3734858	8.75E-05	1.35E-05	8.96E-06
3402	381220.1	3734858	8.80E-05	1.36E-05	9.02E-06
3403	381230.1	3734858	8.85E-05	1.36E-05	9.06E-06
3404	381240.1	3734858	8.90E-05	1.37E-05	9.12E-06
3405	381250.1	3734858	8.94E-05	1.38E-05	9.16E-06
3406	381260.1	3734858	8.99E-05	1.39E-05	9.21E-06
3407	381270.1	3734858	9.02E-05	1.39E-05	9.24E-06
3408	381280.1	3734858	9.07E-05	1.40E-05	9.29E-06
3409	381290.1	3734858	9.10E-05	1.40E-05	9.32E-06
3410	381300.1	3734858	9.14E-05	1.41E-05	9.36E-06
3411	381310.1	3734858	9.18E-05	1.41E-05	9.40E-06
3412	381320.1	3734858	9.22E-05	1.42E-05	9.45E-06
3413	381330.1	3734858	9.27E-05	1.43E-05	9.49E-06
3414	381340.1	3734858	9.34E-05	1.44E-05	9.56E-06
3415	380390.1	3734868	5.36E-05	8.26E-06	5.49E-06
3416	380400.1	3734868	5.40E-05	8.32E-06	5.53E-06
3417	380410.1	3734868	5.43E-05	8.37E-06	5.56E-06
3418	380420.1	3734868	5.47E-05	8.42E-06	5.60E-06
3419	380430.1	3734868	5.51E-05	8.49E-06	5.64E-06
3420	380440.1	3734868	5.54E-05	8.54E-06	5.68E-06
3421	380450.1	3734868	5.58E-05	8.60E-06	5.71E-06
3422	380460.1	3734868	5.61E-05	8.65E-06	5.75E-06
3423	380470.1	3734868	5.66E-05	8.72E-06	5.79E-06
3424	380480.1	3734868	5.69E-05	8.77E-06	5.83E-06

3425	380490.1	3734868	5.74E-05	8.84E-06	5.87E-06
3426	380500.1	3734868	5.77E-05	8.89E-06	5.91E-06
3427	380510.1	3734868	5.81E-05	8.96E-06	5.96E-06
3428	380520.1	3734868	5.85E-05	9.01E-06	5.99E-06
3429	380530.1	3734868	5.88E-05	9.07E-06	6.03E-06
3430	380540.1	3734868	5.93E-05	9.14E-06	6.07E-06
3431	380550.1	3734868	5.96E-05	9.19E-06	6.11E-06
3432	380560.1	3734868	6.00E-05	9.24E-06	6.14E-06
3433	380570.1	3734868	6.03E-05	9.30E-06	6.18E-06
3434	380580.1	3734868	6.07E-05	9.35E-06	6.21E-06
3435	380590.1	3734868	6.10E-05	9.40E-06	6.25E-06
3436	380600.1	3734868	6.14E-05	9.46E-06	6.29E-06
3437	380610.1	3734868	6.18E-05	9.53E-06	6.33E-06
3438	380620.1	3734868	6.22E-05	9.58E-06	6.37E-06
3439	380630.1	3734868	6.25E-05	9.63E-06	6.40E-06
3440	380640.1	3734868	6.28E-05	9.67E-06	6.43E-06
3441	380650.1	3734868	6.31E-05	9.73E-06	6.46E-06
3442	380660.1	3734868	6.35E-05	9.78E-06	6.50E-06
3443	380670.1	3734868	6.38E-05	9.83E-06	6.54E-06
3444	380680.1	3734868	6.42E-05	9.89E-06	6.57E-06
3445	380690.1	3734868	6.45E-05	9.94E-06	6.61E-06
3446	380700.1	3734868	6.49E-05	1.00E-05	6.64E-06
3447	380710.1	3734868	6.52E-05	1.00E-05	6.68E-06
3448	380720.1	3734868	6.56E-05	1.01E-05	6.72E-06
3449	380730.1	3734868	6.60E-05	1.02E-05	6.76E-06
3450	380740.1	3734868	6.63E-05	1.02E-05	6.79E-06
3451	380750.1	3734868	6.68E-05	1.03E-05	6.84E-06
3452	380760.1	3734868	6.71E-05	1.03E-05	6.87E-06
3453	380770.1	3734868	6.75E-05	1.04E-05	6.91E-06
3454	380780.1	3734868	6.78E-05	1.05E-05	6.95E-06
3455	380790.1	3734868	6.82E-05	1.05E-05	6.98E-06
3456	380800.1	3734868	6.86E-05	1.06E-05	7.03E-06
3457	380810.1	3734868	6.90E-05	1.06E-05	7.06E-06
3458	380820.1	3734868	6.93E-05	1.07E-05	7.10E-06
3459	380830.1	3734868	6.97E-05	1.07E-05	7.14E-06
3460	380840.1	3734868	7.02E-05	1.08E-05	7.19E-06
3461	380850.1	3734868	7.07E-05	1.09E-05	7.24E-06
3462	380860.1	3734868	7.10E-05	1.09E-05	7.28E-06
3463	380870.1	3734868	7.15E-05	1.10E-05	7.32E-06
3464	380880.1	3734868	7.18E-05	1.11E-05	7.36E-06
3465	380890.1	3734868	7.23E-05	1.11E-05	7.40E-06
3466	380900.1	3734868	7.26E-05	1.12E-05	7.44E-06
3467	380910.1	3734868	7.30E-05	1.13E-05	7.48E-06
3468	380920.1	3734868	7.36E-05	1.13E-05	7.54E-06
3469	380930.1	3734868	7.41E-05	1.14E-05	7.59E-06
3470	380940.1	3734868	7.46E-05	1.15E-05	7.64E-06
3471	380950.1	3734868	7.51E-05	1.16E-05	7.70E-06

3472	380960.1	3734868	7.58E-05	1.17E-05	7.76E-06
3473	380970.1	3734868	7.63E-05	1.18E-05	7.81E-06
3474	380980.1	3734868	7.69E-05	1.18E-05	7.87E-06
3475	380990.1	3734868	7.74E-05	1.19E-05	7.93E-06
3476	381000.1	3734868	7.80E-05	1.20E-05	7.99E-06
3477	381010.1	3734868	7.85E-05	1.21E-05	8.04E-06
3478	381020.1	3734868	7.92E-05	1.22E-05	8.11E-06
3479	381030.1	3734868	7.97E-05	1.23E-05	8.16E-06
3480	381040.1	3734868	8.03E-05	1.24E-05	8.22E-06
3481	381050.1	3734868	8.08E-05	1.25E-05	8.28E-06
3482	381060.1	3734868	8.13E-05	1.25E-05	8.33E-06
3483	381070.1	3734868	8.19E-05	1.26E-05	8.38E-06
3484	381080.1	3734868	8.24E-05	1.27E-05	8.44E-06
3485	381090.1	3734868	8.29E-05	1.28E-05	8.49E-06
3486	381100.1	3734868	8.33E-05	1.28E-05	8.54E-06
3487	381110.1	3734868	8.38E-05	1.29E-05	8.58E-06
3488	381120.1	3734868	8.42E-05	1.30E-05	8.62E-06
3489	381130.1	3734868	8.46E-05	1.30E-05	8.67E-06
3490	381140.1	3734868	8.51E-05	1.31E-05	8.71E-06
3491	381150.1	3734868	8.56E-05	1.32E-05	8.77E-06
3492	381160.1	3734868	8.60E-05	1.33E-05	8.81E-06
3493	381170.1	3734868	8.65E-05	1.33E-05	8.86E-06
3494	381180.1	3734868	8.70E-05	1.34E-05	8.91E-06
3495	381190.1	3734868	8.74E-05	1.35E-05	8.96E-06
3496	381200.1	3734868	8.79E-05	1.35E-05	9.00E-06
3497	381210.1	3734868	8.83E-05	1.36E-05	9.04E-06
3498	381220.1	3734868	8.88E-05	1.37E-05	9.10E-06
3499	381230.1	3734868	8.94E-05	1.38E-05	9.15E-06
3500	381240.1	3734868	8.99E-05	1.39E-05	9.21E-06
3501	381250.1	3734868	9.03E-05	1.39E-05	9.25E-06
3502	381260.1	3734868	9.07E-05	1.40E-05	9.29E-06
3503	381270.1	3734868	9.12E-05	1.41E-05	9.34E-06
3504	381280.1	3734868	9.15E-05	1.41E-05	9.37E-06
3505	381290.1	3734868	9.20E-05	1.42E-05	9.42E-06
3506	381300.1	3734868	9.23E-05	1.42E-05	9.46E-06
3507	381310.1	3734868	9.28E-05	1.43E-05	9.50E-06
3508	381320.1	3734868	9.32E-05	1.44E-05	9.54E-06
3509	381330.1	3734868	9.36E-05	1.44E-05	9.59E-06
3510	381340.1	3734868	9.42E-05	1.45E-05	9.65E-06
3511	380400.1	3734878	5.42E-05	8.36E-06	5.55E-06
3512	380410.1	3734878	5.47E-05	8.42E-06	5.60E-06
3513	380420.1	3734878	5.50E-05	8.48E-06	5.63E-06
3514	380430.1	3734878	5.54E-05	8.53E-06	5.67E-06
3515	380440.1	3734878	5.57E-05	8.59E-06	5.71E-06
3516	380450.1	3734878	5.61E-05	8.65E-06	5.75E-06
3517	380460.1	3734878	5.65E-05	8.71E-06	5.79E-06
3518	380470.1	3734878	5.69E-05	8.77E-06	5.83E-06

3519	380480.1	3734878	5.73E-05	8.83E-06	5.87E-06
3520	380490.1	3734878	5.77E-05	8.89E-06	5.91E-06
3521	380500.1	3734878	5.81E-05	8.96E-06	5.96E-06
3522	380510.1	3734878	5.85E-05	9.01E-06	5.99E-06
3523	380520.1	3734878	5.89E-05	9.08E-06	6.04E-06
3524	380530.1	3734878	5.93E-05	9.14E-06	6.07E-06
3525	380540.1	3734878	5.97E-05	9.20E-06	6.12E-06
3526	380550.1	3734878	6.01E-05	9.26E-06	6.15E-06
3527	380560.1	3734878	6.04E-05	9.31E-06	6.19E-06
3528	380570.1	3734878	6.08E-05	9.36E-06	6.22E-06
3529	380580.1	3734878	6.11E-05	9.42E-06	6.26E-06
3530	380590.1	3734878	6.15E-05	9.49E-06	6.30E-06
3531	380600.1	3734878	6.19E-05	9.54E-06	6.34E-06
3532	380610.1	3734878	6.22E-05	9.59E-06	6.37E-06
3533	380620.1	3734878	6.26E-05	9.65E-06	6.41E-06
3534	380630.1	3734878	6.29E-05	9.70E-06	6.45E-06
3535	380640.1	3734878	6.33E-05	9.75E-06	6.48E-06
3536	380650.1	3734878	6.36E-05	9.81E-06	6.52E-06
3537	380660.1	3734878	6.40E-05	9.86E-06	6.55E-06
3538	380670.1	3734878	6.43E-05	9.92E-06	6.59E-06
3539	380680.1	3734878	6.47E-05	9.97E-06	6.62E-06
3540	380690.1	3734878	6.50E-05	1.00E-05	6.66E-06
3541	380700.1	3734878	6.54E-05	1.01E-05	6.70E-06
3542	380710.1	3734878	6.58E-05	1.01E-05	6.74E-06
3543	380720.1	3734878	6.62E-05	1.02E-05	6.78E-06
3544	380730.1	3734878	6.66E-05	1.03E-05	6.82E-06
3545	380740.1	3734878	6.69E-05	1.03E-05	6.86E-06
3546	380750.1	3734878	6.74E-05	1.04E-05	6.90E-06
3547	380760.1	3734878	6.77E-05	1.04E-05	6.94E-06
3548	380770.1	3734878	6.81E-05	1.05E-05	6.97E-06
3549	380780.1	3734878	6.84E-05	1.05E-05	7.01E-06
3550	380790.1	3734878	6.88E-05	1.06E-05	7.04E-06
3551	380800.1	3734878	6.91E-05	1.07E-05	7.08E-06
3552	380810.1	3734878	6.95E-05	1.07E-05	7.12E-06
3553	380820.1	3734878	6.98E-05	1.08E-05	7.15E-06
3554	380830.1	3734878	7.03E-05	1.08E-05	7.21E-06
3555	380840.1	3734878	7.08E-05	1.09E-05	7.25E-06
3556	380850.1	3734878	7.13E-05	1.10E-05	7.30E-06
3557	380860.1	3734878	7.17E-05	1.10E-05	7.34E-06
3558	380870.1	3734878	7.20E-05	1.11E-05	7.37E-06
3559	380880.1	3734878	7.24E-05	1.12E-05	7.42E-06
3560	380890.1	3734878	7.29E-05	1.12E-05	7.46E-06
3561	380900.1	3734878	7.32E-05	1.13E-05	7.50E-06
3562	380910.1	3734878	7.37E-05	1.14E-05	7.54E-06
3563	380920.1	3734878	7.41E-05	1.14E-05	7.59E-06
3564	380930.1	3734878	7.46E-05	1.15E-05	7.64E-06
3565	380940.1	3734878	7.51E-05	1.16E-05	7.70E-06

3566	380950.1	3734878	7.57E-05	1.17E-05	7.75E-06
3567	380960.1	3734878	7.63E-05	1.18E-05	7.81E-06
3568	380970.1	3734878	7.69E-05	1.18E-05	7.87E-06
3569	380980.1	3734878	7.75E-05	1.19E-05	7.94E-06
3570	380990.1	3734878	7.80E-05	1.20E-05	7.99E-06
3571	381000.1	3734878	7.86E-05	1.21E-05	8.05E-06
3572	381010.1	3734878	7.92E-05	1.22E-05	8.12E-06
3573	381020.1	3734878	7.98E-05	1.23E-05	8.17E-06
3574	381030.1	3734878	8.04E-05	1.24E-05	8.23E-06
3575	381040.1	3734878	8.10E-05	1.25E-05	8.29E-06
3576	381050.1	3734878	8.15E-05	1.26E-05	8.35E-06
3577	381060.1	3734878	8.21E-05	1.27E-05	8.41E-06
3578	381070.1	3734878	8.26E-05	1.27E-05	8.46E-06
3579	381080.1	3734878	8.32E-05	1.28E-05	8.52E-06
3580	381090.1	3734878	8.37E-05	1.29E-05	8.57E-06
3581	381100.1	3734878	8.41E-05	1.30E-05	8.62E-06
3582	381110.1	3734878	8.46E-05	1.30E-05	8.66E-06
3583	381120.1	3734878	8.50E-05	1.31E-05	8.71E-06
3584	381130.1	3734878	8.55E-05	1.32E-05	8.76E-06
3585	381140.1	3734878	8.60E-05	1.32E-05	8.80E-06
3586	381150.1	3734878	8.64E-05	1.33E-05	8.85E-06
3587	381160.1	3734878	8.68E-05	1.34E-05	8.89E-06
3588	381170.1	3734878	8.73E-05	1.35E-05	8.95E-06
3589	381180.1	3734878	8.78E-05	1.35E-05	8.99E-06
3590	381190.1	3734878	8.82E-05	1.36E-05	9.04E-06
3591	381200.1	3734878	8.87E-05	1.37E-05	9.09E-06
3592	381210.1	3734878	8.92E-05	1.37E-05	9.13E-06
3593	381220.1	3734878	8.97E-05	1.38E-05	9.19E-06
3594	381230.1	3734878	9.02E-05	1.39E-05	9.24E-06
3595	381240.1	3734878	9.07E-05	1.40E-05	9.29E-06
3596	381250.1	3734878	9.12E-05	1.41E-05	9.34E-06
3597	381260.1	3734878	9.16E-05	1.41E-05	9.38E-06
3598	381270.1	3734878	9.21E-05	1.42E-05	9.43E-06
3599	381280.1	3734878	9.25E-05	1.43E-05	9.47E-06
3600	381290.1	3734878	9.28E-05	1.43E-05	9.51E-06
3601	381300.1	3734878	9.33E-05	1.44E-05	9.55E-06
3602	381310.1	3734878	9.37E-05	1.44E-05	9.60E-06
3603	381320.1	3734878	9.41E-05	1.45E-05	9.64E-06
3604	381330.1	3734878	9.46E-05	1.46E-05	9.69E-06
3605	381340.1	3734878	9.52E-05	1.47E-05	9.75E-06
3606	380420.1	3734888	5.54E-05	8.53E-06	5.67E-06
3607	380430.1	3734888	5.57E-05	8.59E-06	5.71E-06
3608	380440.1	3734888	5.61E-05	8.65E-06	5.75E-06
3609	380450.1	3734888	5.65E-05	8.71E-06	5.79E-06
3610	380460.1	3734888	5.68E-05	8.76E-06	5.82E-06
3611	380470.1	3734888	5.73E-05	8.83E-06	5.87E-06
3612	380480.1	3734888	5.77E-05	8.89E-06	5.91E-06

3613	380490.1	3734888	5.81E-05	8.95E-06	5.95E-06
3614	380500.1	3734888	5.85E-05	9.01E-06	5.99E-06
3615	380510.1	3734888	5.89E-05	9.08E-06	6.04E-06
3616	380520.1	3734888	5.94E-05	9.15E-06	6.08E-06
3617	380530.1	3734888	5.97E-05	9.20E-06	6.12E-06
3618	380540.1	3734888	6.01E-05	9.26E-06	6.15E-06
3619	380550.1	3734888	6.05E-05	9.32E-06	6.20E-06
3620	380560.1	3734888	6.08E-05	9.38E-06	6.23E-06
3621	380570.1	3734888	6.12E-05	9.43E-06	6.27E-06
3622	380580.1	3734888	6.15E-05	9.49E-06	6.30E-06
3623	380590.1	3734888	6.20E-05	9.55E-06	6.35E-06
3624	380600.1	3734888	6.23E-05	9.61E-06	6.38E-06
3625	380610.1	3734888	6.28E-05	9.67E-06	6.43E-06
3626	380620.1	3734888	6.31E-05	9.73E-06	6.46E-06
3627	380630.1	3734888	6.35E-05	9.78E-06	6.50E-06
3628	380640.1	3734888	6.38E-05	9.83E-06	6.54E-06
3629	380650.1	3734888	6.42E-05	9.89E-06	6.57E-06
3630	380660.1	3734888	6.45E-05	9.94E-06	6.61E-06
3631	380670.1	3734888	6.49E-05	1.00E-05	6.64E-06
3632	380680.1	3734888	6.53E-05	1.01E-05	6.69E-06
3633	380690.1	3734888	6.56E-05	1.01E-05	6.72E-06
3634	380700.1	3734888	6.60E-05	1.02E-05	6.76E-06
3635	380710.1	3734888	6.64E-05	1.02E-05	6.80E-06
3636	380720.1	3734888	6.68E-05	1.03E-05	6.84E-06
3637	380730.1	3734888	6.72E-05	1.04E-05	6.88E-06
3638	380740.1	3734888	6.76E-05	1.04E-05	6.92E-06
3639	380750.1	3734888	6.79E-05	1.05E-05	6.96E-06
3640	380760.1	3734888	6.83E-05	1.05E-05	7.00E-06
3641	380770.1	3734888	6.87E-05	1.06E-05	7.04E-06
3642	380780.1	3734888	6.90E-05	1.06E-05	7.07E-06
3643	380790.1	3734888	6.94E-05	1.07E-05	7.11E-06
3644	380800.1	3734888	6.97E-05	1.07E-05	7.14E-06
3645	380810.1	3734888	7.01E-05	1.08E-05	7.18E-06
3646	380820.1	3734888	7.04E-05	1.09E-05	7.21E-06
3647	380830.1	3734888	7.09E-05	1.09E-05	7.26E-06
3648	380840.1	3734888	7.14E-05	1.10E-05	7.31E-06
3649	380850.1	3734888	7.18E-05	1.11E-05	7.36E-06
3650	380860.1	3734888	7.22E-05	1.11E-05	7.39E-06
3651	380870.1	3734888	7.26E-05	1.12E-05	7.44E-06
3652	380880.1	3734888	7.30E-05	1.13E-05	7.48E-06
3653	380890.1	3734888	7.34E-05	1.13E-05	7.52E-06
3654	380900.1	3734888	7.38E-05	1.14E-05	7.56E-06
3655	380910.1	3734888	7.43E-05	1.14E-05	7.61E-06
3656	380920.1	3734888	7.47E-05	1.15E-05	7.65E-06
3657	380930.1	3734888	7.52E-05	1.16E-05	7.71E-06
3658	380940.1	3734888	7.58E-05	1.17E-05	7.76E-06
3659	380950.1	3734888	7.64E-05	1.18E-05	7.82E-06

3660	380960.1	3734888	7.69E-05	1.18E-05	7.87E-06
3661	380970.1	3734888	7.75E-05	1.19E-05	7.94E-06
3662	380980.1	3734888	7.81E-05	1.20E-05	8.00E-06
3663	380990.1	3734888	7.87E-05	1.21E-05	8.06E-06
3664	381000.1	3734888	7.93E-05	1.22E-05	8.12E-06
3665	381010.1	3734888	7.98E-05	1.23E-05	8.18E-06
3666	381020.1	3734888	8.05E-05	1.24E-05	8.24E-06
3667	381030.1	3734888	8.11E-05	1.25E-05	8.30E-06
3668	381040.1	3734888	8.16E-05	1.26E-05	8.36E-06
3669	381050.1	3734888	8.22E-05	1.27E-05	8.42E-06
3670	381060.1	3734888	8.28E-05	1.28E-05	8.48E-06
3671	381070.1	3734888	8.33E-05	1.28E-05	8.54E-06
3672	381080.1	3734888	8.39E-05	1.29E-05	8.59E-06
3673	381090.1	3734888	8.45E-05	1.30E-05	8.65E-06
3674	381100.1	3734888	8.49E-05	1.31E-05	8.70E-06
3675	381110.1	3734888	8.53E-05	1.32E-05	8.74E-06
3676	381120.1	3734888	8.58E-05	1.32E-05	8.79E-06
3677	381130.1	3734888	8.62E-05	1.33E-05	8.83E-06
3678	381140.1	3734888	8.67E-05	1.34E-05	8.88E-06
3679	381150.1	3734888	8.72E-05	1.34E-05	8.93E-06
3680	381160.1	3734888	8.76E-05	1.35E-05	8.97E-06
3681	381170.1	3734888	8.81E-05	1.36E-05	9.03E-06
3682	381180.1	3734888	8.86E-05	1.37E-05	9.07E-06
3683	381190.1	3734888	8.91E-05	1.37E-05	9.12E-06
3684	381200.1	3734888	8.95E-05	1.38E-05	9.17E-06
3685	381210.1	3734888	9.00E-05	1.39E-05	9.22E-06
3686	381220.1	3734888	9.06E-05	1.40E-05	9.28E-06
3687	381230.1	3734888	9.11E-05	1.40E-05	9.33E-06
3688	381240.1	3734888	9.17E-05	1.41E-05	9.39E-06
3689	381250.1	3734888	9.21E-05	1.42E-05	9.44E-06
3690	381260.1	3734888	9.26E-05	1.43E-05	9.48E-06
3691	381270.1	3734888	9.30E-05	1.43E-05	9.53E-06
3692	381280.1	3734888	9.34E-05	1.44E-05	9.56E-06
3693	381290.1	3734888	9.38E-05	1.45E-05	9.61E-06
3694	381300.1	3734888	9.42E-05	1.45E-05	9.65E-06
3695	381310.1	3734888	9.47E-05	1.46E-05	9.70E-06
3696	381320.1	3734888	9.51E-05	1.47E-05	9.74E-06
3697	381330.1	3734888	9.55E-05	1.47E-05	9.79E-06
3698	381340.1	3734888	9.61E-05	1.48E-05	9.85E-06
3699	380440.1	3734898	5.65E-05	8.71E-06	5.79E-06
3700	380450.1	3734898	5.69E-05	8.77E-06	5.83E-06
3701	380460.1	3734898	5.73E-05	8.83E-06	5.87E-06
3702	380470.1	3734898	5.77E-05	8.89E-06	5.91E-06
3703	380480.1	3734898	5.81E-05	8.95E-06	5.95E-06
3704	380490.1	3734898	5.85E-05	9.01E-06	5.99E-06
3705	380500.1	3734898	5.89E-05	9.08E-06	6.04E-06
3706	380510.1	3734898	5.94E-05	9.15E-06	6.08E-06

3707	380520.1	3734898	5.98E-05	9.22E-06	6.12E-06
3708	380530.1	3734898	6.01E-05	9.27E-06	6.16E-06
3709	380540.1	3734898	6.05E-05	9.32E-06	6.20E-06
3710	380550.1	3734898	6.08E-05	9.38E-06	6.23E-06
3711	380560.1	3734898	6.13E-05	9.44E-06	6.28E-06
3712	380570.1	3734898	6.16E-05	9.50E-06	6.31E-06
3713	380580.1	3734898	6.20E-05	9.55E-06	6.35E-06
3714	380590.1	3734898	6.24E-05	9.62E-06	6.39E-06
3715	380600.1	3734898	6.29E-05	9.69E-06	6.44E-06
3716	380610.1	3734898	6.32E-05	9.74E-06	6.47E-06
3717	380620.1	3734898	6.35E-05	9.79E-06	6.51E-06
3718	380630.1	3734898	6.39E-05	9.85E-06	6.54E-06
3719	380640.1	3734898	6.43E-05	9.92E-06	6.59E-06
3720	380650.1	3734898	6.47E-05	9.97E-06	6.62E-06
3721	380660.1	3734898	6.50E-05	1.00E-05	6.66E-06
3722	380670.1	3734898	6.55E-05	1.01E-05	6.71E-06
3723	380680.1	3734898	6.58E-05	1.01E-05	6.74E-06
3724	380690.1	3734898	6.63E-05	1.02E-05	6.79E-06
3725	380700.1	3734898	6.66E-05	1.03E-05	6.82E-06
3726	380710.1	3734898	6.70E-05	1.03E-05	6.87E-06
3727	380720.1	3734898	6.74E-05	1.04E-05	6.90E-06
3728	380730.1	3734898	6.78E-05	1.05E-05	6.95E-06
3729	380740.1	3734898	6.82E-05	1.05E-05	6.98E-06
3730	380750.1	3734898	6.85E-05	1.06E-05	7.02E-06
3731	380760.1	3734898	6.89E-05	1.06E-05	7.05E-06
3732	380770.1	3734898	6.92E-05	1.07E-05	7.09E-06
3733	380780.1	3734898	6.96E-05	1.07E-05	7.12E-06
3734	380790.1	3734898	6.99E-05	1.08E-05	7.16E-06
3735	380800.1	3734898	7.03E-05	1.08E-05	7.21E-06
3736	380810.1	3734898	7.07E-05	1.09E-05	7.24E-06
3737	380820.1	3734898	7.10E-05	1.09E-05	7.28E-06
3738	380830.1	3734898	7.15E-05	1.10E-05	7.32E-06
3739	380840.1	3734898	7.19E-05	1.11E-05	7.37E-06
3740	380850.1	3734898	7.24E-05	1.12E-05	7.41E-06
3741	380860.1	3734898	7.28E-05	1.12E-05	7.46E-06
3742	380870.1	3734898	7.32E-05	1.13E-05	7.50E-06
3743	380880.1	3734898	7.37E-05	1.14E-05	7.54E-06
3744	380890.1	3734898	7.40E-05	1.14E-05	7.58E-06
3745	380900.1	3734898	7.44E-05	1.15E-05	7.62E-06
3746	380910.1	3734898	7.49E-05	1.15E-05	7.67E-06
3747	380920.1	3734898	7.54E-05	1.16E-05	7.72E-06
3748	380930.1	3734898	7.59E-05	1.17E-05	7.78E-06
3749	380940.1	3734898	7.64E-05	1.18E-05	7.83E-06
3750	380950.1	3734898	7.71E-05	1.19E-05	7.89E-06
3751	380960.1	3734898	7.76E-05	1.20E-05	7.95E-06
3752	380970.1	3734898	7.82E-05	1.21E-05	8.01E-06
3753	380980.1	3734898	7.88E-05	1.21E-05	8.07E-06

3754	380990.1	3734898	7.94E-05	1.22E-05	8.13E-06
3755	381000.1	3734898	8.00E-05	1.23E-05	8.20E-06
3756	381010.1	3734898	8.05E-05	1.24E-05	8.25E-06
3757	381020.1	3734898	8.12E-05	1.25E-05	8.31E-06
3758	381030.1	3734898	8.18E-05	1.26E-05	8.37E-06
3759	381040.1	3734898	8.23E-05	1.27E-05	8.43E-06
3760	381050.1	3734898	8.29E-05	1.28E-05	8.49E-06
3761	381060.1	3734898	8.34E-05	1.29E-05	8.54E-06
3762	381070.1	3734898	8.40E-05	1.30E-05	8.61E-06
3763	381080.1	3734898	8.46E-05	1.30E-05	8.67E-06
3764	381090.1	3734898	8.52E-05	1.31E-05	8.72E-06
3765	381100.1	3734898	8.57E-05	1.32E-05	8.78E-06
3766	381110.1	3734898	8.61E-05	1.33E-05	8.82E-06
3767	381120.1	3734898	8.66E-05	1.33E-05	8.87E-06
3768	381130.1	3734898	8.70E-05	1.34E-05	8.91E-06
3769	381140.1	3734898	8.75E-05	1.35E-05	8.96E-06
3770	381150.1	3734898	8.80E-05	1.36E-05	9.01E-06
3771	381160.1	3734898	8.85E-05	1.36E-05	9.06E-06
3772	381170.1	3734898	8.89E-05	1.37E-05	9.11E-06
3773	381180.1	3734898	8.94E-05	1.38E-05	9.16E-06
3774	381190.1	3734898	9.00E-05	1.39E-05	9.21E-06
3775	381200.1	3734898	9.04E-05	1.39E-05	9.26E-06
3776	381210.1	3734898	9.09E-05	1.40E-05	9.31E-06
3777	381220.1	3734898	9.15E-05	1.41E-05	9.37E-06
3778	381230.1	3734898	9.21E-05	1.42E-05	9.43E-06
3779	381240.1	3734898	9.27E-05	1.43E-05	9.49E-06
3780	381250.1	3734898	9.31E-05	1.43E-05	9.54E-06
3781	381260.1	3734898	9.35E-05	1.44E-05	9.58E-06
3782	381270.1	3734898	9.40E-05	1.45E-05	9.62E-06
3783	381280.1	3734898	9.43E-05	1.45E-05	9.66E-06
3784	381290.1	3734898	9.48E-05	1.46E-05	9.71E-06
3785	381300.1	3734898	9.51E-05	1.47E-05	9.74E-06
3786	381310.1	3734898	9.56E-05	1.47E-05	9.79E-06
3787	381320.1	3734898	9.61E-05	1.48E-05	9.84E-06
3788	381330.1	3734898	9.66E-05	1.49E-05	9.89E-06
3789	381340.1	3734898	9.72E-05	1.50E-05	9.96E-06
3790	380450.1	3734908	5.73E-05	8.83E-06	5.87E-06
3791	380460.1	3734908	5.77E-05	8.89E-06	5.91E-06
3792	380470.1	3734908	5.81E-05	8.95E-06	5.95E-06
3793	380480.1	3734908	5.85E-05	9.01E-06	5.99E-06
3794	380490.1	3734908	5.88E-05	9.07E-06	6.03E-06
3795	380500.1	3734908	5.93E-05	9.14E-06	6.07E-06
3796	380510.1	3734908	5.97E-05	9.20E-06	6.12E-06
3797	380520.1	3734908	6.01E-05	9.27E-06	6.16E-06
3798	380530.1	3734908	6.06E-05	9.34E-06	6.21E-06
3799	380540.1	3734908	6.09E-05	9.39E-06	6.24E-06
3800	380550.1	3734908	6.13E-05	9.44E-06	6.28E-06

3801	380560.1	3734908	6.17E-05	9.51E-06	6.32E-06
3802	380570.1	3734908	6.21E-05	9.57E-06	6.36E-06
3803	380580.1	3734908	6.25E-05	9.63E-06	6.40E-06
3804	380590.1	3734908	6.29E-05	9.69E-06	6.44E-06
3805	380600.1	3734908	6.33E-05	9.75E-06	6.48E-06
3806	380610.1	3734908	6.37E-05	9.82E-06	6.53E-06
3807	380620.1	3734908	6.41E-05	9.87E-06	6.56E-06
3808	380630.1	3734908	6.44E-05	9.93E-06	6.60E-06
3809	380640.1	3734908	6.48E-05	9.98E-06	6.63E-06
3810	380650.1	3734908	6.52E-05	1.00E-05	6.68E-06
3811	380660.1	3734908	6.56E-05	1.01E-05	6.72E-06
3812	380670.1	3734908	6.60E-05	1.02E-05	6.76E-06
3813	380680.1	3734908	6.64E-05	1.02E-05	6.80E-06
3814	380690.1	3734908	6.69E-05	1.03E-05	6.85E-06
3815	380700.1	3734908	6.73E-05	1.04E-05	6.89E-06
3816	380710.1	3734908	6.76E-05	1.04E-05	6.93E-06
3817	380720.1	3734908	6.81E-05	1.05E-05	6.97E-06
3818	380730.1	3734908	6.85E-05	1.06E-05	7.02E-06
3819	380740.1	3734908	6.88E-05	1.06E-05	7.04E-06
3820	380750.1	3734908	6.91E-05	1.07E-05	7.08E-06
3821	380760.1	3734908	6.95E-05	1.07E-05	7.12E-06
3822	380770.1	3734908	6.98E-05	1.08E-05	7.15E-06
3823	380780.1	3734908	7.02E-05	1.08E-05	7.19E-06
3824	380790.1	3734908	7.05E-05	1.09E-05	7.22E-06
3825	380800.1	3734908	7.09E-05	1.09E-05	7.26E-06
3826	380810.1	3734908	7.13E-05	1.10E-05	7.30E-06
3827	380820.1	3734908	7.17E-05	1.11E-05	7.35E-06
3828	380830.1	3734908	7.21E-05	1.11E-05	7.38E-06
3829	380840.1	3734908	7.25E-05	1.12E-05	7.43E-06
3830	380850.1	3734908	7.29E-05	1.12E-05	7.46E-06
3831	380860.1	3734908	7.33E-05	1.13E-05	7.51E-06
3832	380870.1	3734908	7.37E-05	1.14E-05	7.55E-06
3833	380880.1	3734908	7.42E-05	1.14E-05	7.60E-06
3834	380890.1	3734908	7.46E-05	1.15E-05	7.64E-06
3835	380900.1	3734908	7.51E-05	1.16E-05	7.69E-06
3836	380910.1	3734908	7.55E-05	1.16E-05	7.73E-06
3837	380920.1	3734908	7.60E-05	1.17E-05	7.79E-06
3838	380930.1	3734908	7.65E-05	1.18E-05	7.84E-06
3839	380940.1	3734908	7.71E-05	1.19E-05	7.90E-06
3840	380950.1	3734908	7.77E-05	1.20E-05	7.96E-06
3841	380960.1	3734908	7.83E-05	1.21E-05	8.02E-06
3842	380970.1	3734908	7.89E-05	1.22E-05	8.08E-06
3843	380980.1	3734908	7.95E-05	1.23E-05	8.14E-06
3844	380990.1	3734908	8.01E-05	1.23E-05	8.21E-06
3845	381000.1	3734908	8.07E-05	1.24E-05	8.27E-06
3846	381010.1	3734908	8.12E-05	1.25E-05	8.32E-06
3847	381020.1	3734908	8.19E-05	1.26E-05	8.38E-06

3848	381030.1	3734908	8.25E-05	1.27E-05	8.45E-06
3849	381040.1	3734908	8.31E-05	1.28E-05	8.51E-06
3850	381050.1	3734908	8.36E-05	1.29E-05	8.56E-06
3851	381060.1	3734908	8.41E-05	1.30E-05	8.62E-06
3852	381070.1	3734908	8.47E-05	1.31E-05	8.68E-06
3853	381080.1	3734908	8.53E-05	1.32E-05	8.74E-06
3854	381090.1	3734908	8.60E-05	1.32E-05	8.80E-06
3855	381100.1	3734908	8.64E-05	1.33E-05	8.85E-06
3856	381110.1	3734908	8.69E-05	1.34E-05	8.90E-06
3857	381120.1	3734908	8.73E-05	1.35E-05	8.95E-06
3858	381130.1	3734908	8.79E-05	1.35E-05	9.00E-06
3859	381140.1	3734908	8.83E-05	1.36E-05	9.04E-06
3860	381150.1	3734908	8.88E-05	1.37E-05	9.10E-06
3861	381160.1	3734908	8.94E-05	1.38E-05	9.15E-06
3862	381170.1	3734908	8.98E-05	1.38E-05	9.20E-06
3863	381180.1	3734908	9.03E-05	1.39E-05	9.25E-06
3864	381190.1	3734908	9.08E-05	1.40E-05	9.30E-06
3865	381200.1	3734908	9.14E-05	1.41E-05	9.36E-06
3866	381210.1	3734908	9.19E-05	1.42E-05	9.41E-06
3867	381220.1	3734908	9.24E-05	1.42E-05	9.46E-06
3868	381230.1	3734908	9.30E-05	1.43E-05	9.53E-06
3869	381240.1	3734908	9.36E-05	1.44E-05	9.59E-06
3870	381250.1	3734908	9.41E-05	1.45E-05	9.63E-06
3871	381260.1	3734908	9.45E-05	1.46E-05	9.68E-06
3872	381270.1	3734908	9.49E-05	1.46E-05	9.72E-06
3873	381280.1	3734908	9.54E-05	1.47E-05	9.77E-06
3874	381290.1	3734908	9.57E-05	1.48E-05	9.80E-06
3875	381300.1	3734908	9.61E-05	1.48E-05	9.84E-06
3876	381310.1	3734908	9.66E-05	1.49E-05	9.89E-06
3877	381320.1	3734908	9.71E-05	1.50E-05	9.95E-06
3878	381330.1	3734908	9.76E-05	1.50E-05	1.00E-05
3879	381340.1	3734908	9.82E-05	1.51E-05	1.01E-05
3880	380470.1	3734918	5.85E-05	9.01E-06	5.99E-06
3881	380480.1	3734918	5.89E-05	9.08E-06	6.04E-06
3882	380490.1	3734918	5.93E-05	9.14E-06	6.07E-06
3883	380500.1	3734918	5.97E-05	9.20E-06	6.12E-06
3884	380510.1	3734918	6.01E-05	9.27E-06	6.16E-06
3885	380520.1	3734918	6.06E-05	9.34E-06	6.21E-06
3886	380530.1	3734918	6.10E-05	9.40E-06	6.25E-06
3887	380540.1	3734918	6.14E-05	9.46E-06	6.29E-06
3888	380550.1	3734918	6.18E-05	9.53E-06	6.33E-06
3889	380560.1	3734918	6.22E-05	9.58E-06	6.37E-06
3890	380570.1	3734918	6.25E-05	9.63E-06	6.40E-06
3891	380580.1	3734918	6.29E-05	9.70E-06	6.45E-06
3892	380590.1	3734918	6.33E-05	9.75E-06	6.48E-06
3893	380600.1	3734918	6.37E-05	9.82E-06	6.53E-06
3894	380610.1	3734918	6.42E-05	9.89E-06	6.57E-06

3895	380620.1	3734918	6.45E-05	9.94E-06	6.61E-06
3896	380630.1	3734918	6.49E-05	1.00E-05	6.65E-06
3897	380640.1	3734918	6.54E-05	1.01E-05	6.70E-06
3898	380650.1	3734918	6.58E-05	1.01E-05	6.74E-06
3899	380660.1	3734918	6.62E-05	1.02E-05	6.78E-06
3900	380670.1	3734918	6.66E-05	1.03E-05	6.82E-06
3901	380680.1	3734918	6.70E-05	1.03E-05	6.87E-06
3902	380690.1	3734918	6.75E-05	1.04E-05	6.91E-06
3903	380700.1	3734918	6.79E-05	1.05E-05	6.96E-06
3904	380710.1	3734918	6.83E-05	1.05E-05	6.99E-06
3905	380720.1	3734918	6.87E-05	1.06E-05	7.04E-06
3906	380730.1	3734918	6.90E-05	1.06E-05	7.07E-06
3907	380740.1	3734918	6.94E-05	1.07E-05	7.11E-06
3908	380750.1	3734918	6.97E-05	1.07E-05	7.14E-06
3909	380760.1	3734918	7.01E-05	1.08E-05	7.18E-06
3910	380770.1	3734918	7.04E-05	1.09E-05	7.21E-06
3911	380780.1	3734918	7.08E-05	1.09E-05	7.25E-06
3912	380790.1	3734918	7.11E-05	1.10E-05	7.29E-06
3913	380800.1	3734918	7.15E-05	1.10E-05	7.32E-06
3914	380810.1	3734918	7.19E-05	1.11E-05	7.37E-06
3915	380820.1	3734918	7.24E-05	1.12E-05	7.41E-06
3916	380830.1	3734918	7.27E-05	1.12E-05	7.45E-06
3917	380840.1	3734918	7.30E-05	1.13E-05	7.48E-06
3918	380850.1	3734918	7.35E-05	1.13E-05	7.53E-06
3919	380860.1	3734918	7.39E-05	1.14E-05	7.57E-06
3920	380870.1	3734918	7.44E-05	1.15E-05	7.62E-06
3921	380880.1	3734918	7.48E-05	1.15E-05	7.66E-06
3922	380890.1	3734918	7.52E-05	1.16E-05	7.71E-06
3923	380900.1	3734918	7.57E-05	1.17E-05	7.75E-06
3924	380910.1	3734918	7.62E-05	1.17E-05	7.80E-06
3925	380920.1	3734918	7.67E-05	1.18E-05	7.86E-06
3926	380930.1	3734918	7.72E-05	1.19E-05	7.91E-06
3927	380940.1	3734918	7.78E-05	1.20E-05	7.96E-06
3928	380950.1	3734918	7.84E-05	1.21E-05	8.03E-06
3929	380960.1	3734918	7.90E-05	1.22E-05	8.09E-06
3930	380970.1	3734918	7.96E-05	1.23E-05	8.15E-06
3931	380980.1	3734918	8.02E-05	1.24E-05	8.21E-06
3932	380990.1	3734918	8.08E-05	1.25E-05	8.28E-06
3933	381000.1	3734918	8.14E-05	1.25E-05	8.34E-06
3934	381010.1	3734918	8.19E-05	1.26E-05	8.39E-06
3935	381020.1	3734918	8.26E-05	1.27E-05	8.46E-06
3936	381030.1	3734918	8.32E-05	1.28E-05	8.52E-06
3937	381040.1	3734918	8.37E-05	1.29E-05	8.57E-06
3938	381050.1	3734918	8.43E-05	1.30E-05	8.63E-06
3939	381060.1	3734918	8.48E-05	1.31E-05	8.69E-06
3940	381070.1	3734918	8.54E-05	1.32E-05	8.75E-06
3941	381080.1	3734918	8.60E-05	1.33E-05	8.81E-06

3942	381090.1	3734918	8.66E-05	1.34E-05	8.87E-06
3943	381100.1	3734918	8.72E-05	1.34E-05	8.93E-06
3944	381110.1	3734918	8.76E-05	1.35E-05	8.97E-06
3945	381120.1	3734918	8.81E-05	1.36E-05	9.03E-06
3946	381130.1	3734918	8.87E-05	1.37E-05	9.08E-06
3947	381140.1	3734918	8.92E-05	1.37E-05	9.13E-06
3948	381150.1	3734918	8.98E-05	1.38E-05	9.20E-06
3949	381160.1	3734918	9.02E-05	1.39E-05	9.24E-06
3950	381170.1	3734918	9.07E-05	1.40E-05	9.29E-06
3951	381180.1	3734918	9.13E-05	1.41E-05	9.35E-06
3952	381190.1	3734918	9.18E-05	1.41E-05	9.40E-06
3953	381200.1	3734918	9.23E-05	1.42E-05	9.46E-06
3954	381210.1	3734918	9.28E-05	1.43E-05	9.51E-06
3955	381220.1	3734918	9.34E-05	1.44E-05	9.57E-06
3956	381230.1	3734918	9.40E-05	1.45E-05	9.62E-06
3957	381240.1	3734918	9.46E-05	1.46E-05	9.69E-06
3958	381250.1	3734918	9.51E-05	1.47E-05	9.74E-06
3959	381260.1	3734918	9.55E-05	1.47E-05	9.79E-06
3960	381270.1	3734918	9.60E-05	1.48E-05	9.83E-06
3961	381280.1	3734918	9.63E-05	1.48E-05	9.87E-06
3962	381290.1	3734918	9.68E-05	1.49E-05	9.91E-06
3963	381300.1	3734918	9.71E-05	1.50E-05	9.95E-06
3964	381310.1	3734918	9.76E-05	1.50E-05	1.00E-05
3965	381320.1	3734918	9.82E-05	1.51E-05	1.01E-05
3966	381330.1	3734918	9.87E-05	1.52E-05	1.01E-05
3967	381340.1	3734918	9.94E-05	1.53E-05	1.02E-05
3968	380480.1	3734928	5.93E-05	9.14E-06	6.07E-06
3969	380490.1	3734928	5.97E-05	9.20E-06	6.12E-06
3970	380500.1	3734928	6.01E-05	9.27E-06	6.16E-06
3971	380510.1	3734928	6.06E-05	9.34E-06	6.21E-06
3972	380520.1	3734928	6.10E-05	9.40E-06	6.25E-06
3973	380530.1	3734928	6.15E-05	9.47E-06	6.29E-06
3974	380540.1	3734928	6.18E-05	9.53E-06	6.33E-06
3975	380550.1	3734928	6.22E-05	9.59E-06	6.37E-06
3976	380560.1	3734928	6.26E-05	9.65E-06	6.41E-06
3977	380570.1	3734928	6.30E-05	9.71E-06	6.46E-06
3978	380580.1	3734928	6.34E-05	9.77E-06	6.49E-06
3979	380590.1	3734928	6.37E-05	9.82E-06	6.53E-06
3980	380600.1	3734928	6.42E-05	9.89E-06	6.57E-06
3981	380610.1	3734928	6.46E-05	9.96E-06	6.62E-06
3982	380620.1	3734928	6.50E-05	1.00E-05	6.66E-06
3983	380630.1	3734928	6.55E-05	1.01E-05	6.71E-06
3984	380640.1	3734928	6.59E-05	1.02E-05	6.75E-06
3985	380650.1	3734928	6.63E-05	1.02E-05	6.79E-06
3986	380660.1	3734928	6.68E-05	1.03E-05	6.84E-06
3987	380670.1	3734928	6.72E-05	1.04E-05	6.88E-06
3988	380680.1	3734928	6.76E-05	1.04E-05	6.93E-06

3989	380690.1	3734928	6.81E-05	1.05E-05	6.97E-06
3990	380700.1	3734928	6.85E-05	1.06E-05	7.02E-06
3991	380710.1	3734928	6.89E-05	1.06E-05	7.05E-06
3992	380720.1	3734928	6.93E-05	1.07E-05	7.10E-06
3993	380730.1	3734928	6.96E-05	1.07E-05	7.13E-06
3994	380740.1	3734928	7.00E-05	1.08E-05	7.17E-06
3995	380750.1	3734928	7.03E-05	1.08E-05	7.21E-06
3996	380760.1	3734928	7.06E-05	1.09E-05	7.23E-06
3997	380770.1	3734928	7.10E-05	1.09E-05	7.27E-06
3998	380780.1	3734928	7.13E-05	1.10E-05	7.30E-06
3999	380790.1	3734928	7.17E-05	1.10E-05	7.34E-06
4000	380800.1	3734928	7.21E-05	1.11E-05	7.38E-06
4001	380810.1	3734928	7.25E-05	1.12E-05	7.43E-06
4002	380820.1	3734928	7.29E-05	1.12E-05	7.46E-06
4003	380830.1	3734928	7.33E-05	1.13E-05	7.51E-06
4004	380840.1	3734928	7.37E-05	1.14E-05	7.54E-06
4005	380850.1	3734928	7.40E-05	1.14E-05	7.58E-06
4006	380860.1	3734928	7.45E-05	1.15E-05	7.63E-06
4007	380870.1	3734928	7.50E-05	1.16E-05	7.68E-06
4008	380880.1	3734928	7.54E-05	1.16E-05	7.72E-06
4009	380890.1	3734928	7.58E-05	1.17E-05	7.77E-06
4010	380900.1	3734928	7.64E-05	1.18E-05	7.82E-06
4011	380910.1	3734928	7.68E-05	1.18E-05	7.87E-06
4012	380920.1	3734928	7.73E-05	1.19E-05	7.92E-06
4013	380930.1	3734928	7.79E-05	1.20E-05	7.98E-06
4014	380940.1	3734928	7.85E-05	1.21E-05	8.04E-06
4015	380950.1	3734928	7.91E-05	1.22E-05	8.10E-06
4016	380960.1	3734928	7.97E-05	1.23E-05	8.16E-06
4017	380970.1	3734928	8.03E-05	1.24E-05	8.22E-06
4018	380980.1	3734928	8.09E-05	1.25E-05	8.29E-06
4019	380990.1	3734928	8.15E-05	1.26E-05	8.35E-06
4020	381000.1	3734928	8.21E-05	1.27E-05	8.41E-06
4021	381010.1	3734928	8.27E-05	1.27E-05	8.47E-06
4022	381300.1	3734928	9.82E-05	1.51E-05	1.01E-05
4023	381310.1	3734928	9.88E-05	1.52E-05	1.01E-05
4024	381320.1	3734928	9.93E-05	1.53E-05	1.02E-05
4025	381330.1	3734928	9.99E-05	1.54E-05	1.02E-05
4026	381340.1	3734928	1.01E-04	1.55E-05	1.03E-05
4027	380500.1	3734938	6.06E-05	9.34E-06	6.21E-06
4028	380510.1	3734938	6.10E-05	9.40E-06	6.25E-06
4029	380520.1	3734938	6.15E-05	9.47E-06	6.29E-06
4030	380530.1	3734938	6.19E-05	9.54E-06	6.34E-06
4031	380540.1	3734938	6.23E-05	9.61E-06	6.38E-06
4032	380550.1	3734938	6.27E-05	9.66E-06	6.42E-06
4033	380560.1	3734938	6.31E-05	9.73E-06	6.46E-06
4034	380570.1	3734938	6.35E-05	9.78E-06	6.50E-06
4035	380580.1	3734938	6.38E-05	9.83E-06	6.54E-06

4036	380590.1	3734938	6.42E-05	9.90E-06	6.58E-06
4037	380600.1	3734938	6.46E-05	9.96E-06	6.62E-06
4038	380610.1	3734938	6.50E-05	1.00E-05	6.66E-06
4039	380620.1	3734938	6.56E-05	1.01E-05	6.71E-06
4040	380630.1	3734938	6.60E-05	1.02E-05	6.76E-06
4041	380640.1	3734938	6.65E-05	1.03E-05	6.81E-06
4042	380650.1	3734938	6.69E-05	1.03E-05	6.86E-06
4043	380660.1	3734938	6.74E-05	1.04E-05	6.90E-06
4044	380670.1	3734938	6.78E-05	1.05E-05	6.95E-06
4045	380680.1	3734938	6.83E-05	1.05E-05	6.99E-06
4046	380690.1	3734938	6.87E-05	1.06E-05	7.04E-06
4047	380700.1	3734938	6.91E-05	1.07E-05	7.08E-06
4048	380710.1	3734938	6.95E-05	1.07E-05	7.12E-06
4049	380720.1	3734938	6.99E-05	1.08E-05	7.16E-06
4050	380730.1	3734938	7.03E-05	1.08E-05	7.20E-06
4051	380740.1	3734938	7.06E-05	1.09E-05	7.23E-06
4052	380750.1	3734938	7.10E-05	1.09E-05	7.27E-06
4053	380760.1	3734938	7.12E-05	1.10E-05	7.29E-06
4054	380770.1	3734938	7.16E-05	1.10E-05	7.33E-06
4055	380780.1	3734938	7.19E-05	1.11E-05	7.37E-06
4056	380790.1	3734938	7.23E-05	1.11E-05	7.40E-06
4057	380800.1	3734938	7.27E-05	1.12E-05	7.45E-06
4058	380810.1	3734938	7.30E-05	1.13E-05	7.48E-06
4059	380820.1	3734938	7.35E-05	1.13E-05	7.53E-06
4060	380830.1	3734938	7.38E-05	1.14E-05	7.56E-06
4061	380840.1	3734938	7.43E-05	1.14E-05	7.61E-06
4062	380850.1	3734938	7.46E-05	1.15E-05	7.64E-06
4063	380860.1	3734938	7.51E-05	1.16E-05	7.69E-06
4064	380870.1	3734938	7.56E-05	1.16E-05	7.74E-06
4065	380880.1	3734938	7.60E-05	1.17E-05	7.79E-06
4066	380890.1	3734938	7.65E-05	1.18E-05	7.84E-06
4067	380900.1	3734938	7.70E-05	1.19E-05	7.88E-06
4068	381300.1	3734938	9.93E-05	1.53E-05	1.02E-05
4069	381310.1	3734938	9.98E-05	1.54E-05	1.02E-05
4070	381320.1	3734938	1.00E-04	1.55E-05	1.03E-05
4071	381330.1	3734938	1.01E-04	1.56E-05	1.04E-05
4072	381340.1	3734938	1.02E-04	1.57E-05	1.04E-05
4073	380520.1	3734948	6.19E-05	9.54E-06	6.34E-06
4074	380530.1	3734948	6.23E-05	9.61E-06	6.38E-06
4075	380540.1	3734948	6.28E-05	9.67E-06	6.43E-06
4076	380550.1	3734948	6.32E-05	9.74E-06	6.47E-06
4077	380560.1	3734948	6.35E-05	9.79E-06	6.51E-06
4078	380570.1	3734948	6.40E-05	9.86E-06	6.55E-06
4079	380580.1	3734948	6.43E-05	9.92E-06	6.59E-06
4080	380590.1	3734948	6.48E-05	9.98E-06	6.63E-06
4081	380600.1	3734948	6.51E-05	1.00E-05	6.67E-06
4082	380610.1	3734948	6.56E-05	1.01E-05	6.71E-06

4083	380620.1	3734948	6.61E-05	1.02E-05	6.77E-06
4084	380630.1	3734948	6.65E-05	1.03E-05	6.81E-06
4085	380640.1	3734948	6.70E-05	1.03E-05	6.87E-06
4086	380650.1	3734948	6.75E-05	1.04E-05	6.91E-06
4087	380660.1	3734948	6.79E-05	1.05E-05	6.96E-06
4088	380670.1	3734948	6.84E-05	1.05E-05	7.01E-06
4089	380680.1	3734948	6.89E-05	1.06E-05	7.05E-06
4090	380690.1	3734948	6.92E-05	1.07E-05	7.09E-06
4091	380700.1	3734948	6.96E-05	1.07E-05	7.13E-06
4092	380710.1	3734948	7.01E-05	1.08E-05	7.18E-06
4093	380720.1	3734948	7.04E-05	1.09E-05	7.21E-06
4094	380730.1	3734948	7.08E-05	1.09E-05	7.25E-06
4095	380740.1	3734948	7.11E-05	1.10E-05	7.29E-06
4096	380750.1	3734948	7.15E-05	1.10E-05	7.32E-06
4097	380760.1	3734948	7.18E-05	1.11E-05	7.36E-06
4098	380770.1	3734948	7.22E-05	1.11E-05	7.39E-06
4099	380780.1	3734948	7.25E-05	1.12E-05	7.43E-06
4100	380790.1	3734948	7.29E-05	1.12E-05	7.46E-06
4101	380800.1	3734948	7.33E-05	1.13E-05	7.51E-06
4102	380810.1	3734948	7.37E-05	1.14E-05	7.54E-06
4103	380820.1	3734948	7.40E-05	1.14E-05	7.58E-06
4104	380830.1	3734948	7.44E-05	1.15E-05	7.62E-06
4105	380840.1	3734948	7.48E-05	1.15E-05	7.66E-06
4106	380850.1	3734948	7.52E-05	1.16E-05	7.71E-06
4107	380860.1	3734948	7.57E-05	1.17E-05	7.75E-06
4108	380870.1	3734948	7.62E-05	1.17E-05	7.80E-06
4109	380880.1	3734948	7.66E-05	1.18E-05	7.85E-06
4110	380890.1	3734948	7.71E-05	1.19E-05	7.90E-06
4111	380900.1	3734948	7.78E-05	1.20E-05	7.96E-06
4112	380930.1	3734948	7.93E-05	1.22E-05	8.12E-06
4113	380940.1	3734948	7.98E-05	1.23E-05	8.18E-06
4114	380950.1	3734948	8.05E-05	1.24E-05	8.24E-06
4115	380960.1	3734948	8.11E-05	1.25E-05	8.30E-06
4116	380970.1	3734948	8.17E-05	1.26E-05	8.37E-06
4117	380980.1	3734948	8.23E-05	1.27E-05	8.43E-06
4118	380990.1	3734948	8.29E-05	1.28E-05	8.49E-06
4119	381000.1	3734948	8.36E-05	1.29E-05	8.56E-06
4120	381010.1	3734948	8.41E-05	1.30E-05	8.62E-06
4121	381020.1	3734948	8.47E-05	1.31E-05	8.68E-06
4122	381030.1	3734948	8.53E-05	1.31E-05	8.73E-06
4123	381040.1	3734948	8.59E-05	1.32E-05	8.79E-06
4124	381050.1	3734948	8.64E-05	1.33E-05	8.85E-06
4125	381060.1	3734948	8.70E-05	1.34E-05	8.91E-06
4126	381070.1	3734948	8.76E-05	1.35E-05	8.97E-06
4127	381080.1	3734948	8.82E-05	1.36E-05	9.04E-06
4128	381090.1	3734948	8.88E-05	1.37E-05	9.10E-06
4129	381100.1	3734948	8.95E-05	1.38E-05	9.17E-06

4130	381110.1	3734948	9.01E-05	1.39E-05	9.23E-06
4131	381300.1	3734948	1.00E-04	1.55E-05	1.03E-05
4132	381310.1	3734948	1.01E-04	1.56E-05	1.03E-05
4133	381320.1	3734948	1.02E-04	1.57E-05	1.04E-05
4134	381330.1	3734948	1.02E-04	1.58E-05	1.05E-05
4135	381340.1	3734948	1.03E-04	1.59E-05	1.06E-05
4136	380530.1	3734958	6.29E-05	9.69E-06	6.44E-06
4137	380540.1	3734958	6.33E-05	9.75E-06	6.48E-06
4138	380550.1	3734958	6.37E-05	9.82E-06	6.53E-06
4139	380560.1	3734958	6.41E-05	9.87E-06	6.56E-06
4140	380570.1	3734958	6.45E-05	9.94E-06	6.61E-06
4141	380580.1	3734958	6.49E-05	1.00E-05	6.64E-06
4142	380590.1	3734958	6.53E-05	1.01E-05	6.69E-06
4143	380600.1	3734958	6.56E-05	1.01E-05	6.72E-06
4144	380610.1	3734958	6.61E-05	1.02E-05	6.77E-06
4145	380620.1	3734958	6.66E-05	1.03E-05	6.82E-06
4146	380630.1	3734958	6.70E-05	1.03E-05	6.87E-06
4147	380640.1	3734958	6.76E-05	1.04E-05	6.92E-06
4148	380650.1	3734958	6.80E-05	1.05E-05	6.96E-06
4149	380660.1	3734958	6.85E-05	1.06E-05	7.02E-06
4150	380670.1	3734958	6.90E-05	1.06E-05	7.06E-06
4151	380680.1	3734958	6.94E-05	1.07E-05	7.11E-06
4152	380690.1	3734958	6.97E-05	1.07E-05	7.14E-06
4153	380700.1	3734958	7.02E-05	1.08E-05	7.19E-06
4154	380710.1	3734958	7.06E-05	1.09E-05	7.23E-06
4155	380720.1	3734958	7.10E-05	1.09E-05	7.27E-06
4156	380730.1	3734958	7.14E-05	1.10E-05	7.31E-06
4157	380740.1	3734958	7.17E-05	1.10E-05	7.34E-06
4158	380750.1	3734958	7.20E-05	1.11E-05	7.37E-06
4159	380760.1	3734958	7.24E-05	1.12E-05	7.41E-06
4160	380770.1	3734958	7.27E-05	1.12E-05	7.45E-06
4161	380780.1	3734958	7.31E-05	1.13E-05	7.49E-06
4162	380790.1	3734958	7.35E-05	1.13E-05	7.53E-06
4163	380800.1	3734958	7.38E-05	1.14E-05	7.56E-06
4164	380810.1	3734958	7.43E-05	1.14E-05	7.61E-06
4165	380820.1	3734958	7.46E-05	1.15E-05	7.64E-06
4166	380830.1	3734958	7.50E-05	1.16E-05	7.68E-06
4167	380840.1	3734958	7.54E-05	1.16E-05	7.72E-06
4168	380850.1	3734958	7.58E-05	1.17E-05	7.77E-06
4169	380860.1	3734958	7.63E-05	1.18E-05	7.81E-06
4170	380870.1	3734958	7.68E-05	1.18E-05	7.87E-06
4171	380880.1	3734958	7.73E-05	1.19E-05	7.92E-06
4172	380890.1	3734958	7.78E-05	1.20E-05	7.97E-06
4173	380900.1	3734958	7.85E-05	1.21E-05	8.04E-06
4174	380930.1	3734958	8.00E-05	1.23E-05	8.20E-06
4175	380940.1	3734958	8.05E-05	1.24E-05	8.25E-06
4176	380950.1	3734958	8.12E-05	1.25E-05	8.31E-06

4177	380960.1	3734958	8.18E-05	1.26E-05	8.37E-06
4178	380970.1	3734958	8.24E-05	1.27E-05	8.44E-06
4179	380980.1	3734958	8.30E-05	1.28E-05	8.50E-06
4180	380990.1	3734958	8.37E-05	1.29E-05	8.57E-06
4181	381000.1	3734958	8.43E-05	1.30E-05	8.63E-06
4182	381010.1	3734958	8.48E-05	1.31E-05	8.69E-06
4183	381020.1	3734958	8.54E-05	1.32E-05	8.75E-06
4184	381030.1	3734958	8.60E-05	1.32E-05	8.80E-06
4185	381040.1	3734958	8.66E-05	1.33E-05	8.87E-06
4186	381050.1	3734958	8.73E-05	1.34E-05	8.94E-06
4187	381060.1	3734958	8.79E-05	1.35E-05	9.00E-06
4188	381070.1	3734958	8.85E-05	1.36E-05	9.06E-06
4189	381080.1	3734958	8.91E-05	1.37E-05	9.12E-06
4190	381090.1	3734958	8.97E-05	1.38E-05	9.19E-06
4191	381100.1	3734958	9.04E-05	1.39E-05	9.26E-06
4192	380550.1	3734968	6.42E-05	9.90E-06	6.58E-06
4193	380560.1	3734968	6.47E-05	9.97E-06	6.62E-06
4194	380570.1	3734968	6.50E-05	1.00E-05	6.66E-06
4195	380580.1	3734968	6.54E-05	1.01E-05	6.70E-06
4196	380590.1	3734968	6.58E-05	1.01E-05	6.74E-06
4197	380600.1	3734968	6.63E-05	1.02E-05	6.79E-06
4198	380610.1	3734968	6.66E-05	1.03E-05	6.82E-06
4199	380620.1	3734968	6.71E-05	1.03E-05	6.87E-06
4200	380630.1	3734968	6.76E-05	1.04E-05	6.92E-06
4201	380640.1	3734968	6.81E-05	1.05E-05	6.97E-06
4202	380650.1	3734968	6.85E-05	1.06E-05	7.02E-06
4203	380660.1	3734968	6.90E-05	1.06E-05	7.07E-06
4204	380670.1	3734968	6.96E-05	1.07E-05	7.12E-06
4205	380680.1	3734968	6.99E-05	1.08E-05	7.16E-06
4206	380690.1	3734968	7.03E-05	1.08E-05	7.21E-06
4207	380700.1	3734968	7.07E-05	1.09E-05	7.24E-06
4208	380710.1	3734968	7.11E-05	1.10E-05	7.29E-06
4209	380720.1	3734968	7.15E-05	1.10E-05	7.32E-06
4210	380730.1	3734968	7.19E-05	1.11E-05	7.37E-06
4211	380740.1	3734968	7.23E-05	1.11E-05	7.40E-06
4212	380750.1	3734968	7.25E-05	1.12E-05	7.43E-06
4213	380760.1	3734968	7.29E-05	1.12E-05	7.46E-06
4214	380770.1	3734968	7.33E-05	1.13E-05	7.51E-06
4215	380780.1	3734968	7.37E-05	1.14E-05	7.55E-06
4216	380790.1	3734968	7.41E-05	1.14E-05	7.59E-06
4217	380800.1	3734968	7.44E-05	1.15E-05	7.62E-06
4218	380810.1	3734968	7.48E-05	1.15E-05	7.66E-06
4219	380820.1	3734968	7.51E-05	1.16E-05	7.70E-06
4220	380830.1	3734968	7.56E-05	1.16E-05	7.74E-06
4221	380840.1	3734968	7.60E-05	1.17E-05	7.79E-06
4222	380850.1	3734968	7.64E-05	1.18E-05	7.83E-06
4223	380860.1	3734968	7.70E-05	1.19E-05	7.88E-06

4224	380870.1	3734968	7.75E-05	1.19E-05	7.94E-06
4225	380880.1	3734968	7.80E-05	1.20E-05	7.99E-06
4226	380890.1	3734968	7.85E-05	1.21E-05	8.04E-06
4227	380900.1	3734968	7.92E-05	1.22E-05	8.11E-06
4228	380930.1	3734968	8.08E-05	1.25E-05	8.28E-06
4229	380940.1	3734968	8.12E-05	1.25E-05	8.32E-06
4230	380950.1	3734968	8.19E-05	1.26E-05	8.38E-06
4231	380960.1	3734968	8.25E-05	1.27E-05	8.45E-06
4232	380970.1	3734968	8.31E-05	1.28E-05	8.51E-06
4233	380980.1	3734968	8.38E-05	1.29E-05	8.58E-06
4234	380990.1	3734968	8.44E-05	1.30E-05	8.64E-06
4235	381000.1	3734968	8.50E-05	1.31E-05	8.71E-06
4236	381010.1	3734968	8.56E-05	1.32E-05	8.77E-06
4237	381020.1	3734968	8.61E-05	1.33E-05	8.82E-06
4238	381030.1	3734968	8.66E-05	1.34E-05	8.87E-06
4239	381040.1	3734968	8.73E-05	1.35E-05	8.95E-06
4240	381050.1	3734968	8.80E-05	1.36E-05	9.02E-06
4241	381060.1	3734968	8.87E-05	1.37E-05	9.09E-06
4242	381070.1	3734968	8.94E-05	1.38E-05	9.15E-06
4243	381080.1	3734968	9.00E-05	1.39E-05	9.21E-06
4244	380600.1	3734978	6.68E-05	1.03E-05	6.84E-06
4245	380610.1	3734978	6.72E-05	1.04E-05	6.88E-06
4246	380620.1	3734978	6.76E-05	1.04E-05	6.93E-06
4247	380630.1	3734978	6.82E-05	1.05E-05	6.98E-06
4248	380640.1	3734978	6.86E-05	1.06E-05	7.03E-06
4249	380650.1	3734978	6.90E-05	1.06E-05	7.07E-06
4250	380660.1	3734978	6.96E-05	1.07E-05	7.12E-06
4251	380670.1	3734978	7.00E-05	1.08E-05	7.17E-06
4252	380680.1	3734978	7.04E-05	1.09E-05	7.21E-06
4253	380690.1	3734978	7.08E-05	1.09E-05	7.25E-06
4254	380700.1	3734978	7.12E-05	1.10E-05	7.29E-06
4255	380710.1	3734978	7.17E-05	1.10E-05	7.34E-06
4256	380720.1	3734978	7.20E-05	1.11E-05	7.37E-06
4257	380730.1	3734978	7.24E-05	1.12E-05	7.42E-06
4258	380740.1	3734978	7.28E-05	1.12E-05	7.46E-06
4259	380750.1	3734978	7.31E-05	1.13E-05	7.49E-06
4260	380760.1	3734978	7.35E-05	1.13E-05	7.53E-06
4261	380770.1	3734978	7.39E-05	1.14E-05	7.57E-06
4262	380780.1	3734978	7.43E-05	1.14E-05	7.61E-06
4263	380790.1	3734978	7.47E-05	1.15E-05	7.65E-06
4264	380800.1	3734978	7.51E-05	1.16E-05	7.69E-06
4265	380810.1	3734978	7.54E-05	1.16E-05	7.72E-06
4266	380820.1	3734978	7.58E-05	1.17E-05	7.76E-06
4267	380830.1	3734978	7.63E-05	1.18E-05	7.81E-06
4268	380840.1	3734978	7.67E-05	1.18E-05	7.86E-06
4269	380850.1	3734978	7.71E-05	1.19E-05	7.90E-06
4270	380860.1	3734978	7.77E-05	1.20E-05	7.96E-06

4271	380870.1	3734978	7.82E-05	1.21E-05	8.01E-06
4272	380880.1	3734978	7.87E-05	1.21E-05	8.06E-06
4273	380890.1	3734978	7.93E-05	1.22E-05	8.12E-06
4274	380900.1	3734978	7.99E-05	1.23E-05	8.19E-06
4275	380930.1	3734978	8.15E-05	1.26E-05	8.35E-06
4276	380940.1	3734978	8.20E-05	1.26E-05	8.40E-06
4277	380950.1	3734978	8.26E-05	1.27E-05	8.46E-06
4278	380960.1	3734978	8.32E-05	1.28E-05	8.53E-06
4279	380970.1	3734978	8.39E-05	1.29E-05	8.59E-06
4280	380980.1	3734978	8.46E-05	1.30E-05	8.66E-06
4281	380990.1	3734978	8.52E-05	1.31E-05	8.72E-06
4282	381000.1	3734978	8.59E-05	1.32E-05	8.79E-06
4283	381010.1	3734978	8.64E-05	1.33E-05	8.85E-06
4284	381020.1	3734978	8.70E-05	1.34E-05	8.91E-06
4285	381030.1	3734978	8.76E-05	1.35E-05	8.97E-06
4286	381040.1	3734978	8.83E-05	1.36E-05	9.04E-06
4287	381050.1	3734978	8.90E-05	1.37E-05	9.12E-06
4288	380610.1	3734988	6.77E-05	1.04E-05	6.94E-06
4289	380620.1	3734988	6.83E-05	1.05E-05	6.99E-06
4290	380630.1	3734988	6.87E-05	1.06E-05	7.04E-06
4291	380640.1	3734988	6.91E-05	1.07E-05	7.08E-06
4292	380650.1	3734988	6.96E-05	1.07E-05	7.12E-06
4293	380660.1	3734988	7.00E-05	1.08E-05	7.17E-06
4294	380670.1	3734988	7.05E-05	1.09E-05	7.22E-06
4295	380680.1	3734988	7.09E-05	1.09E-05	7.26E-06
4296	380690.1	3734988	7.13E-05	1.10E-05	7.30E-06
4297	380700.1	3734988	7.17E-05	1.10E-05	7.34E-06
4298	380710.1	3734988	7.21E-05	1.11E-05	7.38E-06
4299	380720.1	3734988	7.26E-05	1.12E-05	7.44E-06
4300	380730.1	3734988	7.30E-05	1.13E-05	7.48E-06
4301	380740.1	3734988	7.34E-05	1.13E-05	7.52E-06
4302	380750.1	3734988	7.37E-05	1.14E-05	7.55E-06
4303	380760.1	3734988	7.41E-05	1.14E-05	7.59E-06
4304	380770.1	3734988	7.45E-05	1.15E-05	7.63E-06
4305	380780.1	3734988	7.49E-05	1.15E-05	7.67E-06
4306	380790.1	3734988	7.52E-05	1.16E-05	7.71E-06
4307	380800.1	3734988	7.57E-05	1.17E-05	7.75E-06
4308	380810.1	3734988	7.60E-05	1.17E-05	7.79E-06
4309	380820.1	3734988	7.64E-05	1.18E-05	7.83E-06
4310	380830.1	3734988	7.69E-05	1.18E-05	7.87E-06
4311	380840.1	3734988	7.74E-05	1.19E-05	7.93E-06
4312	380850.1	3734988	7.79E-05	1.20E-05	7.98E-06
4313	380860.1	3734988	7.84E-05	1.21E-05	8.03E-06
4314	380870.1	3734988	7.89E-05	1.22E-05	8.08E-06
4315	380880.1	3734988	7.94E-05	1.22E-05	8.13E-06
4316	380890.1	3734988	8.00E-05	1.23E-05	8.20E-06
4317	380900.1	3734988	8.06E-05	1.24E-05	8.26E-06

4318	380940.1	3734988	8.29E-05	1.28E-05	8.49E-06
4319	380950.1	3734988	8.35E-05	1.29E-05	8.55E-06
4320	380960.1	3734988	8.41E-05	1.30E-05	8.62E-06
4321	380970.1	3734988	8.47E-05	1.31E-05	8.68E-06
4322	380980.1	3734988	8.53E-05	1.32E-05	8.74E-06
4323	380990.1	3734988	8.60E-05	1.33E-05	8.81E-06
4324	381000.1	3734988	8.66E-05	1.34E-05	8.87E-06
4325	381010.1	3734988	8.73E-05	1.34E-05	8.94E-06
4326	380263.2	3734968	5.17E-05	7.97E-06	5.29E-06
4327	380273.2	3734968	5.20E-05	8.02E-06	5.33E-06
4328	380283.2	3734968	5.24E-05	8.07E-06	5.37E-06
4329	380263.2	3734978	5.20E-05	8.01E-06	5.32E-06
4330	380273.2	3734978	5.23E-05	8.06E-06	5.36E-06
4331	380283.2	3734978	5.27E-05	8.11E-06	5.39E-06
4332	380263.2	3734988	5.22E-05	8.05E-06	5.35E-06
4333	380273.2	3734988	5.26E-05	8.10E-06	5.38E-06
4334	380283.2	3734988	5.29E-05	8.16E-06	5.42E-06
4335	380263.2	3734998	5.26E-05	8.10E-06	5.38E-06
4336	380273.2	3734998	5.28E-05	8.14E-06	5.41E-06
4337	380283.2	3734998	5.32E-05	8.20E-06	5.45E-06
4338	380263.2	3735008	5.28E-05	8.14E-06	5.41E-06
4339	380273.2	3735008	5.31E-05	8.18E-06	5.44E-06
4340	380283.2	3735008	5.34E-05	8.24E-06	5.47E-06
4341	380293.2	3735008	5.38E-05	8.29E-06	5.51E-06
4342	380263.2	3735018	5.31E-05	8.18E-06	5.44E-06
4343	380273.2	3735018	5.33E-05	8.22E-06	5.46E-06
4344	380283.2	3735018	5.37E-05	8.28E-06	5.50E-06
4345	380293.2	3735018	5.40E-05	8.33E-06	5.54E-06
4346	380303.2	3735018	5.44E-05	8.38E-06	5.57E-06
4347	380313.2	3735018	5.48E-05	8.45E-06	5.62E-06
4348	380323.2	3735018	5.53E-05	8.52E-06	5.66E-06
4349	380333.2	3735018	5.57E-05	8.59E-06	5.71E-06
4350	380343.2	3735018	5.62E-05	8.67E-06	5.76E-06
4351	380353.2	3735018	5.67E-05	8.75E-06	5.81E-06
4352	380263.2	3735028	5.33E-05	8.22E-06	5.46E-06
4353	380273.2	3735028	5.36E-05	8.26E-06	5.49E-06
4354	380283.2	3735028	5.40E-05	8.32E-06	5.53E-06
4355	380293.2	3735028	5.43E-05	8.37E-06	5.56E-06
4356	380303.2	3735028	5.47E-05	8.42E-06	5.60E-06
4357	380313.2	3735028	5.51E-05	8.49E-06	5.64E-06
4358	380323.2	3735028	5.55E-05	8.56E-06	5.69E-06
4359	380333.2	3735028	5.61E-05	8.64E-06	5.74E-06
4360	380343.2	3735028	5.65E-05	8.71E-06	5.79E-06
4361	380353.2	3735028	5.70E-05	8.79E-06	5.84E-06
4362	380263.2	3735038	5.36E-05	8.26E-06	5.49E-06
4363	380273.2	3735038	5.39E-05	8.30E-06	5.52E-06
4364	380283.2	3735038	5.42E-05	8.36E-06	5.55E-06

4365	380293.2	3735038	5.46E-05	8.41E-06	5.59E-06
4366	380303.2	3735038	5.49E-05	8.46E-06	5.62E-06
4367	380313.2	3735038	5.54E-05	8.53E-06	5.67E-06
4368	380323.2	3735038	5.58E-05	8.60E-06	5.71E-06
4369	380333.2	3735038	5.63E-05	8.68E-06	5.77E-06
4370	380343.2	3735038	5.68E-05	8.76E-06	5.82E-06
4371	380353.2	3735038	5.74E-05	8.84E-06	5.87E-06
4372	380263.2	3735048	5.40E-05	8.32E-06	5.53E-06
4373	380273.2	3735048	5.42E-05	8.36E-06	5.55E-06
4374	380283.2	3735048	5.45E-05	8.40E-06	5.58E-06
4375	380293.2	3735048	5.48E-05	8.45E-06	5.62E-06
4376	380303.2	3735048	5.52E-05	8.50E-06	5.65E-06
4377	380313.2	3735048	5.56E-05	8.57E-06	5.70E-06
4378	380323.2	3735048	5.61E-05	8.65E-06	5.75E-06
4379	380333.2	3735048	5.66E-05	8.72E-06	5.79E-06
4380	380343.2	3735048	5.71E-05	8.80E-06	5.85E-06
4381	380353.2	3735048	5.76E-05	8.88E-06	5.90E-06
4382	380263.2	3735058	5.42E-05	8.36E-06	5.55E-06
4383	380273.2	3735058	5.45E-05	8.40E-06	5.58E-06
4384	380283.2	3735058	5.47E-05	8.44E-06	5.61E-06
4385	380293.2	3735058	5.52E-05	8.50E-06	5.65E-06
4386	380303.2	3735058	5.55E-05	8.56E-06	5.69E-06
4387	380313.2	3735058	5.60E-05	8.63E-06	5.73E-06
4388	380323.2	3735058	5.64E-05	8.69E-06	5.78E-06
4389	380333.2	3735058	5.69E-05	8.77E-06	5.83E-06
4390	380343.2	3735058	5.74E-05	8.85E-06	5.88E-06
4391	380353.2	3735058	5.80E-05	8.93E-06	5.94E-06
4392	380263.2	3735068	5.46E-05	8.41E-06	5.59E-06
4393	380273.2	3735068	5.48E-05	8.45E-06	5.62E-06
4394	380283.2	3735068	5.51E-05	8.49E-06	5.64E-06
4395	380293.2	3735068	5.54E-05	8.54E-06	5.68E-06
4396	380303.2	3735068	5.59E-05	8.61E-06	5.72E-06
4397	380313.2	3735068	5.62E-05	8.67E-06	5.76E-06
4398	380323.2	3735068	5.67E-05	8.75E-06	5.81E-06
4399	380333.2	3735068	5.73E-05	8.83E-06	5.87E-06
4400	380343.2	3735068	5.77E-05	8.89E-06	5.91E-06
4401	380353.2	3735068	5.83E-05	8.99E-06	5.97E-06
4402	380263.2	3735078	5.48E-05	8.45E-06	5.62E-06
4403	380273.2	3735078	5.51E-05	8.49E-06	5.64E-06
4404	380283.2	3735078	5.54E-05	8.54E-06	5.68E-06
4405	380293.2	3735078	5.58E-05	8.60E-06	5.71E-06
4406	380303.2	3735078	5.62E-05	8.67E-06	5.76E-06
4407	380313.2	3735078	5.66E-05	8.72E-06	5.79E-06
4408	380323.2	3735078	5.71E-05	8.80E-06	5.85E-06
4409	380333.2	3735078	5.75E-05	8.87E-06	5.89E-06
4410	380343.2	3735078	5.81E-05	8.95E-06	5.95E-06
4411	380353.2	3735078	5.86E-05	9.03E-06	6.00E-06

4412	380263.2	3735088	5.51E-05	8.49E-06	5.64E-06
4413	380273.2	3735088	5.54E-05	8.54E-06	5.68E-06
4414	380283.2	3735088	5.57E-05	8.59E-06	5.71E-06
4415	380293.2	3735088	5.61E-05	8.65E-06	5.75E-06
4416	380303.2	3735088	5.66E-05	8.72E-06	5.79E-06
4417	380313.2	3735088	5.69E-05	8.77E-06	5.83E-06
4418	380323.2	3735088	5.74E-05	8.85E-06	5.88E-06
4419	380333.2	3735088	5.79E-05	8.92E-06	5.93E-06
4420	380343.2	3735088	5.84E-05	9.00E-06	5.98E-06
4421	380353.2	3735088	5.89E-05	9.08E-06	6.04E-06
4422	380263.2	3735098	5.54E-05	8.54E-06	5.68E-06
4423	380273.2	3735098	5.58E-05	8.60E-06	5.71E-06
4424	380283.2	3735098	5.61E-05	8.65E-06	5.75E-06
4425	380293.2	3735098	5.65E-05	8.71E-06	5.79E-06
4426	380303.2	3735098	5.69E-05	8.77E-06	5.83E-06
4427	380313.2	3735098	5.74E-05	8.84E-06	5.87E-06
4428	380323.2	3735098	5.79E-05	8.92E-06	5.93E-06
4429	380333.2	3735098	5.83E-05	8.99E-06	5.97E-06
4430	380343.2	3735098	5.88E-05	9.07E-06	6.03E-06
4431	380353.2	3735098	5.94E-05	9.15E-06	6.08E-06
4432	380263.2	3735108	5.58E-05	8.60E-06	5.71E-06
4433	380273.2	3735108	5.61E-05	8.65E-06	5.75E-06
4434	380283.2	3735108	5.65E-05	8.71E-06	5.79E-06
4435	380293.2	3735108	5.69E-05	8.77E-06	5.83E-06
4436	380303.2	3735108	5.74E-05	8.84E-06	5.87E-06
4437	380313.2	3735108	5.78E-05	8.91E-06	5.92E-06
4438	380323.2	3735108	5.83E-05	8.99E-06	5.97E-06
4439	380333.2	3735108	5.88E-05	9.07E-06	6.03E-06
4440	380343.2	3735108	5.94E-05	9.15E-06	6.08E-06
4441	380353.2	3735108	5.99E-05	9.23E-06	6.13E-06
4442	380263.2	3735118	5.61E-05	8.65E-06	5.75E-06
4443	380273.2	3735118	5.66E-05	8.72E-06	5.79E-06
4444	380283.2	3735118	5.69E-05	8.77E-06	5.83E-06
4445	380293.2	3735118	5.74E-05	8.84E-06	5.87E-06
4446	380303.2	3735118	5.78E-05	8.91E-06	5.92E-06
4447	380313.2	3735118	5.83E-05	8.99E-06	5.97E-06
4448	380323.2	3735118	5.88E-05	9.06E-06	6.02E-06
4449	380333.2	3735118	5.93E-05	9.14E-06	6.07E-06
4450	380343.2	3735118	5.98E-05	9.22E-06	6.12E-06
4451	380353.2	3735118	6.03E-05	9.30E-06	6.18E-06
4452	380263.2	3735128	5.65E-05	8.71E-06	5.79E-06
4453	380273.2	3735128	5.68E-05	8.76E-06	5.82E-06
4454	380283.2	3735128	5.73E-05	8.83E-06	5.87E-06
4455	380293.2	3735128	5.77E-05	8.89E-06	5.91E-06
4456	380303.2	3735128	5.82E-05	8.97E-06	5.96E-06
4457	380313.2	3735128	5.88E-05	9.06E-06	6.02E-06
4458	380323.2	3735128	5.92E-05	9.12E-06	6.06E-06

4459	380333.2	3735128	5.97E-05	9.20E-06	6.12E-06
4460	380343.2	3735128	6.02E-05	9.28E-06	6.17E-06
4461	380353.2	3735128	6.08E-05	9.38E-06	6.23E-06
4462	380263.2	3735138	5.68E-05	8.76E-06	5.82E-06
4463	380273.2	3735138	5.72E-05	8.81E-06	5.86E-06
4464	380283.2	3735138	5.76E-05	8.88E-06	5.90E-06
4465	380293.2	3735138	5.81E-05	8.96E-06	5.96E-06
4466	380303.2	3735138	5.86E-05	9.03E-06	6.00E-06
4467	380313.2	3735138	5.91E-05	9.11E-06	6.05E-06
4468	380323.2	3735138	5.96E-05	9.19E-06	6.11E-06
4469	380333.2	3735138	6.01E-05	9.27E-06	6.16E-06
4470	380343.2	3735138	6.08E-05	9.36E-06	6.22E-06
4471	380263.2	3735148	5.72E-05	8.81E-06	5.86E-06
4472	380273.2	3735148	5.75E-05	8.87E-06	5.89E-06
4473	380283.2	3735148	5.80E-05	8.93E-06	5.94E-06
4474	380293.2	3735148	5.85E-05	9.01E-06	5.99E-06
4475	380303.2	3735148	5.90E-05	9.10E-06	6.04E-06
4476	380313.2	3735148	5.95E-05	9.18E-06	6.10E-06
4477	380323.2	3735148	6.01E-05	9.26E-06	6.15E-06
4478	380333.2	3735148	6.06E-05	9.34E-06	6.21E-06
4479	380343.2	3735148	6.12E-05	9.43E-06	6.27E-06
4480	380263.2	3735158	5.75E-05	8.87E-06	5.89E-06
4481	380273.2	3735158	5.79E-05	8.92E-06	5.93E-06
4482	380283.2	3735158	5.83E-05	8.99E-06	5.97E-06
4483	380293.2	3735158	5.88E-05	9.07E-06	6.03E-06
4484	380303.2	3735158	5.94E-05	9.15E-06	6.08E-06
4485	380313.2	3735158	5.99E-05	9.23E-06	6.13E-06
4486	380323.2	3735158	6.04E-05	9.31E-06	6.19E-06
4487	380333.2	3735158	6.10E-05	9.40E-06	6.25E-06
4488	380343.2	3735158	6.16E-05	9.50E-06	6.31E-06
4489	380263.2	3735168	5.79E-05	8.92E-06	5.93E-06
4490	380273.2	3735168	5.82E-05	8.97E-06	5.96E-06
4491	380283.2	3735168	5.87E-05	9.04E-06	6.01E-06
4492	380293.2	3735168	5.92E-05	9.12E-06	6.06E-06
4493	380303.2	3735168	5.97E-05	9.20E-06	6.12E-06
4494	380313.2	3735168	6.02E-05	9.28E-06	6.17E-06
4495	380323.2	3735168	6.08E-05	9.36E-06	6.22E-06
4496	380333.2	3735168	6.14E-05	9.46E-06	6.29E-06
4497	380263.2	3735178	5.82E-05	8.97E-06	5.96E-06
4498	380273.2	3735178	5.86E-05	9.03E-06	6.00E-06
4499	380283.2	3735178	5.90E-05	9.10E-06	6.04E-06
4500	380293.2	3735178	5.95E-05	9.18E-06	6.10E-06
4501	380303.2	3735178	6.01E-05	9.26E-06	6.15E-06
4502	380313.2	3735178	6.06E-05	9.34E-06	6.21E-06
4503	380323.2	3735178	6.12E-05	9.43E-06	6.27E-06
4504	380333.2	3735178	6.17E-05	9.51E-06	6.32E-06
4505	380263.2	3735188	5.86E-05	9.03E-06	6.00E-06

4506	380273.2	3735188	5.91E-05	9.11E-06	6.05E-06
4507	380283.2	3735188	5.95E-05	9.18E-06	6.10E-06
4508	380293.2	3735188	6.00E-05	9.24E-06	6.14E-06
4509	380303.2	3735188	6.05E-05	9.32E-06	6.20E-06
4510	380313.2	3735188	6.09E-05	9.39E-06	6.24E-06
4511	380323.2	3735188	6.15E-05	9.47E-06	6.29E-06
4512	380333.2	3735188	6.20E-05	9.55E-06	6.35E-06
4513	380263.2	3735198	5.91E-05	9.11E-06	6.05E-06
4514	380273.2	3735198	5.95E-05	9.18E-06	6.10E-06
4515	380283.2	3735198	6.00E-05	9.24E-06	6.14E-06
4516	380293.2	3735198	6.04E-05	9.31E-06	6.19E-06
4517	380303.2	3735198	6.09E-05	9.39E-06	6.24E-06
4518	380313.2	3735198	6.14E-05	9.46E-06	6.29E-06
4519	380323.2	3735198	6.19E-05	9.54E-06	6.34E-06
4520	380333.2	3735198	6.24E-05	9.62E-06	6.39E-06
4521	380263.2	3735208	5.95E-05	9.18E-06	6.10E-06
4522	380273.2	3735208	6.00E-05	9.24E-06	6.14E-06
4523	380283.2	3735208	6.04E-05	9.31E-06	6.19E-06
4524	380293.2	3735208	6.08E-05	9.38E-06	6.23E-06
4525	380303.2	3735208	6.14E-05	9.46E-06	6.29E-06
4526	380313.2	3735208	6.18E-05	9.53E-06	6.33E-06
4527	380323.2	3735208	6.23E-05	9.61E-06	6.38E-06
4528	380333.2	3735208	6.29E-05	9.69E-06	6.44E-06
4529	380263.2	3735218	6.01E-05	9.26E-06	6.15E-06
4530	380273.2	3735218	6.04E-05	9.31E-06	6.19E-06
4531	380283.2	3735218	6.08E-05	9.38E-06	6.23E-06
4532	380293.2	3735218	6.14E-05	9.46E-06	6.29E-06
4533	380303.2	3735218	6.18E-05	9.53E-06	6.33E-06
4534	380313.2	3735218	6.23E-05	9.61E-06	6.38E-06
4535	380323.2	3735218	6.29E-05	9.69E-06	6.44E-06
4536	380333.2	3735218	6.34E-05	9.77E-06	6.49E-06
4537	380263.2	3735228	6.05E-05	9.32E-06	6.20E-06
4538	380273.2	3735228	6.09E-05	9.39E-06	6.24E-06
4539	380283.2	3735228	6.14E-05	9.46E-06	6.29E-06
4540	380293.2	3735228	6.19E-05	9.54E-06	6.34E-06
4541	380303.2	3735228	6.23E-05	9.61E-06	6.38E-06
4542	380313.2	3735228	6.29E-05	9.69E-06	6.44E-06
4543	380323.2	3735228	6.33E-05	9.75E-06	6.48E-06
4544	380333.2	3735228	6.38E-05	9.83E-06	6.54E-06
4545	380263.2	3735238	6.11E-05	9.42E-06	6.26E-06
4546	380273.2	3735238	6.15E-05	9.47E-06	6.29E-06
4547	380283.2	3735238	6.19E-05	9.54E-06	6.34E-06
4548	380293.2	3735238	6.24E-05	9.62E-06	6.39E-06
4549	380303.2	3735238	6.29E-05	9.69E-06	6.44E-06
4550	380313.2	3735238	6.34E-05	9.77E-06	6.49E-06
4551	380323.2	3735238	6.38E-05	9.83E-06	6.54E-06
4552	380333.2	3735238	6.43E-05	9.92E-06	6.59E-06

4553	380263.2	3735248	6.16E-05	9.50E-06	6.31E-06
4554	380273.2	3735248	6.20E-05	9.55E-06	6.35E-06
4555	380283.2	3735248	6.24E-05	9.62E-06	6.39E-06
4556	380293.2	3735248	6.29E-05	9.70E-06	6.45E-06
4557	380303.2	3735248	6.35E-05	9.78E-06	6.50E-06
4558	380313.2	3735248	6.39E-05	9.85E-06	6.54E-06
4559	380323.2	3735248	6.44E-05	9.93E-06	6.60E-06
4560	380333.2	3735248	6.49E-05	1.00E-05	6.64E-06
4561	380263.2	3735258	6.22E-05	9.58E-06	6.37E-06
4562	380273.2	3735258	6.26E-05	9.65E-06	6.41E-06
4563	380283.2	3735258	6.30E-05	9.71E-06	6.46E-06
4564	380293.2	3735258	6.35E-05	9.78E-06	6.50E-06
4565	380303.2	3735258	6.40E-05	9.86E-06	6.55E-06
4566	380313.2	3735258	6.45E-05	9.94E-06	6.61E-06
4567	380323.2	3735258	6.50E-05	1.00E-05	6.66E-06
4568	380333.2	3735258	6.56E-05	1.01E-05	6.71E-06
4569	380263.2	3735268	6.28E-05	9.67E-06	6.43E-06
4570	380273.2	3735268	6.31E-05	9.73E-06	6.46E-06
4571	380283.2	3735268	6.35E-05	9.79E-06	6.51E-06
4572	380293.2	3735268	6.41E-05	9.87E-06	6.56E-06
4573	380303.2	3735268	6.46E-05	9.96E-06	6.62E-06
4574	380313.2	3735268	6.51E-05	1.00E-05	6.67E-06
4575	380323.2	3735268	6.56E-05	1.01E-05	6.72E-06
4576	380333.2	3735268	6.62E-05	1.02E-05	6.78E-06
4577	380343.2	3735268	6.68E-05	1.03E-05	6.84E-06
4578	380263.2	3735298	6.46E-05	9.96E-06	6.62E-06
4579	380273.2	3735298	6.49E-05	1.00E-05	6.65E-06
4580	380283.2	3735298	6.55E-05	1.01E-05	6.71E-06
4581	380293.2	3735298	6.60E-05	1.02E-05	6.76E-06
4582	380303.2	3735298	6.65E-05	1.03E-05	6.81E-06
4583	380313.2	3735298	6.70E-05	1.03E-05	6.87E-06
4584	380323.2	3735298	6.76E-05	1.04E-05	6.93E-06
4585	380333.2	3735298	6.82E-05	1.05E-05	6.98E-06
4586	380343.2	3735298	6.88E-05	1.06E-05	7.04E-06
4587	380263.2	3735308	6.51E-05	1.00E-05	6.67E-06
4588	380273.2	3735308	6.56E-05	1.01E-05	6.71E-06
4589	380283.2	3735308	6.60E-05	1.02E-05	6.76E-06
4590	380293.2	3735308	6.65E-05	1.03E-05	6.81E-06
4591	380303.2	3735308	6.71E-05	1.03E-05	6.87E-06
4592	380313.2	3735308	6.76E-05	1.04E-05	6.93E-06
4593	380323.2	3735308	6.82E-05	1.05E-05	6.98E-06
4594	380333.2	3735308	6.88E-05	1.06E-05	7.04E-06
4595	380343.2	3735308	6.94E-05	1.07E-05	7.11E-06
4596	380263.2	3735318	6.57E-05	1.01E-05	6.73E-06
4597	380273.2	3735318	6.62E-05	1.02E-05	6.78E-06
4598	380283.2	3735318	6.66E-05	1.03E-05	6.82E-06
4599	380293.2	3735318	6.71E-05	1.03E-05	6.87E-06

4600	380303.2	3735318	6.76E-05	1.04E-05	6.93E-06
4601	380313.2	3735318	6.82E-05	1.05E-05	6.98E-06
4602	380323.2	3735318	6.88E-05	1.06E-05	7.04E-06
4603	380333.2	3735318	6.93E-05	1.07E-05	7.10E-06
4604	380343.2	3735318	6.99E-05	1.08E-05	7.16E-06
4605	380263.2	3735328	6.63E-05	1.02E-05	6.79E-06
4606	380273.2	3735328	6.67E-05	1.03E-05	6.83E-06
4607	380283.2	3735328	6.72E-05	1.04E-05	6.88E-06
4608	380293.2	3735328	6.76E-05	1.04E-05	6.93E-06
4609	380303.2	3735328	6.82E-05	1.05E-05	6.98E-06
4610	380313.2	3735328	6.88E-05	1.06E-05	7.04E-06
4611	380323.2	3735328	6.93E-05	1.07E-05	7.10E-06
4612	380333.2	3735328	6.99E-05	1.08E-05	7.16E-06
4613	380343.2	3735328	7.05E-05	1.09E-05	7.22E-06
4614	380263.2	3735338	6.69E-05	1.03E-05	6.85E-06
4615	380273.2	3735338	6.73E-05	1.04E-05	6.89E-06
4616	380283.2	3735338	6.77E-05	1.04E-05	6.94E-06
4617	380293.2	3735338	6.83E-05	1.05E-05	6.99E-06
4618	380303.2	3735338	6.88E-05	1.06E-05	7.04E-06
4619	380313.2	3735338	6.93E-05	1.07E-05	7.10E-06
4620	380323.2	3735338	6.99E-05	1.08E-05	7.16E-06
4621	380333.2	3735338	7.04E-05	1.09E-05	7.21E-06
4622	380343.2	3735338	7.10E-05	1.09E-05	7.28E-06
4623	380263.2	3735348	6.75E-05	1.04E-05	6.91E-06
4624	380273.2	3735348	6.78E-05	1.05E-05	6.95E-06
4625	380283.2	3735348	6.83E-05	1.05E-05	6.99E-06
4626	380293.2	3735348	6.88E-05	1.06E-05	7.04E-06
4627	380303.2	3735348	6.94E-05	1.07E-05	7.11E-06
4628	380313.2	3735348	6.99E-05	1.08E-05	7.16E-06
4629	380323.2	3735348	7.04E-05	1.09E-05	7.21E-06
4630	380333.2	3735348	7.10E-05	1.09E-05	7.28E-06
4631	380343.2	3735348	7.17E-05	1.10E-05	7.34E-06
4632	380263.2	3735358	6.81E-05	1.05E-05	6.97E-06
4633	380273.2	3735358	6.84E-05	1.05E-05	7.01E-06
4634	380283.2	3735358	6.89E-05	1.06E-05	7.05E-06
4635	380293.2	3735358	6.94E-05	1.07E-05	7.11E-06
4636	380303.2	3735358	6.99E-05	1.08E-05	7.16E-06
4637	380313.2	3735358	7.05E-05	1.09E-05	7.22E-06
4638	380323.2	3735358	7.10E-05	1.09E-05	7.28E-06
4639	380333.2	3735358	7.17E-05	1.10E-05	7.34E-06
4640	380343.2	3735358	7.23E-05	1.11E-05	7.40E-06
4641	380263.2	3735368	6.87E-05	1.06E-05	7.04E-06
4642	380273.2	3735368	6.90E-05	1.06E-05	7.07E-06
4643	380283.2	3735368	6.95E-05	1.07E-05	7.12E-06
4644	380293.2	3735368	7.00E-05	1.08E-05	7.17E-06
4645	380303.2	3735368	7.05E-05	1.09E-05	7.22E-06
4646	380313.2	3735368	7.11E-05	1.10E-05	7.29E-06

4647	380323.2	3735368	7.17E-05	1.11E-05	7.35E-06
4648	380333.2	3735368	7.24E-05	1.12E-05	7.41E-06
4649	380343.2	3735368	7.30E-05	1.12E-05	7.47E-06
4650	380263.2	3735378	6.94E-05	1.07E-05	7.11E-06
4651	380273.2	3735378	6.96E-05	1.07E-05	7.13E-06
4652	380283.2	3735378	7.01E-05	1.08E-05	7.18E-06
4653	380293.2	3735378	7.06E-05	1.09E-05	7.23E-06
4654	380303.2	3735378	7.11E-05	1.10E-05	7.29E-06
4655	380313.2	3735378	7.17E-05	1.11E-05	7.35E-06
4656	380323.2	3735378	7.24E-05	1.12E-05	7.41E-06
4657	380333.2	3735378	7.30E-05	1.12E-05	7.47E-06
4658	380343.2	3735378	7.37E-05	1.14E-05	7.54E-06
4659	380263.2	3735388	7.00E-05	1.08E-05	7.17E-06
4660	380273.2	3735388	7.03E-05	1.08E-05	7.20E-06
4661	380283.2	3735388	7.07E-05	1.09E-05	7.24E-06
4662	380293.2	3735388	7.12E-05	1.10E-05	7.29E-06
4663	380303.2	3735388	7.17E-05	1.11E-05	7.35E-06
4664	380313.2	3735388	7.24E-05	1.12E-05	7.41E-06
4665	380323.2	3735388	7.30E-05	1.13E-05	7.48E-06
4666	380333.2	3735388	7.37E-05	1.14E-05	7.54E-06
4667	380343.2	3735388	7.44E-05	1.15E-05	7.62E-06
4668	380263.2	3735398	7.09E-05	1.09E-05	7.26E-06
4669	380273.2	3735398	7.11E-05	1.10E-05	7.29E-06
4670	380283.2	3735398	7.14E-05	1.10E-05	7.31E-06
4671	380293.2	3735398	7.19E-05	1.11E-05	7.37E-06
4672	380303.2	3735398	7.25E-05	1.12E-05	7.43E-06
4673	380313.2	3735398	7.31E-05	1.13E-05	7.49E-06
4674	380323.2	3735398	7.38E-05	1.14E-05	7.56E-06
4675	380333.2	3735398	7.45E-05	1.15E-05	7.63E-06
4676	380343.2	3735398	7.53E-05	1.16E-05	7.71E-06
4677	380263.2	3735408	7.17E-05	1.11E-05	7.35E-06
4678	380273.2	3735408	7.20E-05	1.11E-05	7.37E-06
4679	380283.2	3735408	7.23E-05	1.11E-05	7.40E-06
4680	380293.2	3735408	7.28E-05	1.12E-05	7.46E-06
4681	380303.2	3735408	7.33E-05	1.13E-05	7.51E-06
4682	380313.2	3735408	7.39E-05	1.14E-05	7.57E-06
4683	380323.2	3735408	7.46E-05	1.15E-05	7.64E-06
4684	380333.2	3735408	7.54E-05	1.16E-05	7.72E-06
4685	380343.2	3735408	7.62E-05	1.17E-05	7.80E-06
4686	380263.2	3735418	7.27E-05	1.12E-05	7.45E-06
4687	380273.2	3735418	7.29E-05	1.12E-05	7.46E-06
4688	380283.2	3735418	7.31E-05	1.13E-05	7.49E-06
4689	380293.2	3735418	7.37E-05	1.14E-05	7.54E-06
4690	380303.2	3735418	7.42E-05	1.14E-05	7.60E-06
4691	380313.2	3735418	7.48E-05	1.15E-05	7.66E-06
4692	380323.2	3735418	7.56E-05	1.16E-05	7.74E-06
4693	380333.2	3735418	7.64E-05	1.18E-05	7.82E-06

4694	380263.2	3735428	7.39E-05	1.14E-05	7.57E-06
4695	380273.2	3735428	7.40E-05	1.14E-05	7.58E-06
4696	380283.2	3735428	7.43E-05	1.14E-05	7.61E-06
4697	380293.2	3735428	7.48E-05	1.15E-05	7.66E-06
4698	380303.2	3735428	7.53E-05	1.16E-05	7.71E-06
4699	380313.2	3735428	7.59E-05	1.17E-05	7.78E-06
4700	380323.2	3735428	7.67E-05	1.18E-05	7.86E-06
4701	380333.2	3735428	7.75E-05	1.19E-05	7.94E-06
4702	380263.2	3735438	7.51E-05	1.16E-05	7.70E-06
4703	380273.2	3735438	7.53E-05	1.16E-05	7.71E-06
4704	380283.2	3735438	7.56E-05	1.16E-05	7.74E-06
4705	380293.2	3735438	7.61E-05	1.17E-05	7.79E-06
4706	380303.2	3735438	7.66E-05	1.18E-05	7.85E-06
4707	380313.2	3735438	7.72E-05	1.19E-05	7.91E-06
4708	380323.2	3735438	7.79E-05	1.20E-05	7.98E-06
4709	380333.2	3735438	7.87E-05	1.21E-05	8.06E-06
4710	379726.6	3735431	5.66E-05	8.72E-06	5.79E-06
4711	379746.6	3735431	5.72E-05	8.81E-06	5.86E-06
4712	379766.6	3735431	5.79E-05	8.92E-06	5.93E-06
4713	379786.6	3735431	5.86E-05	9.03E-06	6.00E-06
4714	379806.6	3735431	5.93E-05	9.14E-06	6.07E-06
4715	379826.6	3735431	5.99E-05	9.23E-06	6.13E-06
4716	379846.6	3735431	6.05E-05	9.32E-06	6.20E-06
4717	379866.6	3735431	6.12E-05	9.43E-06	6.27E-06
4718	379886.6	3735431	6.18E-05	9.53E-06	6.33E-06
4719	379906.6	3735431	6.26E-05	9.65E-06	6.41E-06
4720	379926.6	3735431	6.34E-05	9.77E-06	6.49E-06
4721	379946.6	3735431	6.42E-05	9.90E-06	6.58E-06
4722	379966.6	3735431	6.51E-05	1.00E-05	6.67E-06
4723	379986.6	3735431	6.59E-05	1.02E-05	6.75E-06
4724	379726.6	3735451	5.74E-05	8.85E-06	5.88E-06
4725	379746.6	3735451	5.81E-05	8.96E-06	5.96E-06
4726	379766.6	3735451	5.88E-05	9.06E-06	6.02E-06
4727	379786.6	3735451	5.95E-05	9.16E-06	6.09E-06
4728	379806.6	3735451	6.01E-05	9.27E-06	6.16E-06
4729	379826.6	3735451	6.08E-05	9.38E-06	6.23E-06
4730	379846.6	3735451	6.15E-05	9.49E-06	6.30E-06
4731	379866.6	3735451	6.23E-05	9.61E-06	6.38E-06
4732	379886.6	3735451	6.30E-05	9.71E-06	6.46E-06
4733	379906.6	3735451	6.38E-05	9.83E-06	6.54E-06
4734	379926.6	3735451	6.47E-05	9.97E-06	6.62E-06
4735	379946.6	3735451	6.56E-05	1.01E-05	6.72E-06
4736	379966.6	3735451	6.65E-05	1.03E-05	6.81E-06
4737	379986.6	3735451	6.73E-05	1.04E-05	6.89E-06
4738	379726.6	3735471	5.82E-05	8.97E-06	5.96E-06
4739	379746.6	3735471	5.89E-05	9.08E-06	6.04E-06
4740	379766.6	3735471	5.96E-05	9.19E-06	6.11E-06

4741	379786.6	3735471	6.03E-05	9.30E-06	6.18E-06
4742	379806.6	3735471	6.10E-05	9.40E-06	6.25E-06
4743	379826.6	3735471	6.17E-05	9.51E-06	6.32E-06
4744	379846.6	3735471	6.25E-05	9.63E-06	6.40E-06
4745	379866.6	3735471	6.34E-05	9.77E-06	6.49E-06
4746	379886.6	3735471	6.42E-05	9.89E-06	6.57E-06
4747	379906.6	3735471	6.50E-05	1.00E-05	6.66E-06
4748	379926.6	3735471	6.59E-05	1.02E-05	6.75E-06
4749	379946.6	3735471	6.69E-05	1.03E-05	6.86E-06
4750	379966.6	3735471	6.78E-05	1.05E-05	6.95E-06
4751	379986.6	3735471	6.87E-05	1.06E-05	7.04E-06
4752	379726.6	3735491	5.90E-05	9.10E-06	6.04E-06
4753	379746.6	3735491	5.98E-05	9.22E-06	6.12E-06
4754	379766.6	3735491	6.05E-05	9.32E-06	6.20E-06
4755	379786.6	3735491	6.12E-05	9.43E-06	6.27E-06
4756	379806.6	3735491	6.19E-05	9.54E-06	6.34E-06
4757	379826.6	3735491	6.27E-05	9.66E-06	6.42E-06
4758	379846.6	3735491	6.35E-05	9.79E-06	6.51E-06
4759	379866.6	3735491	6.44E-05	9.93E-06	6.60E-06
4760	379886.6	3735491	6.52E-05	1.00E-05	6.68E-06
4761	379906.6	3735491	6.62E-05	1.02E-05	6.78E-06
4762	379926.6	3735491	6.71E-05	1.03E-05	6.87E-06
4763	379946.6	3735491	6.82E-05	1.05E-05	6.98E-06
4764	379966.6	3735491	6.91E-05	1.07E-05	7.08E-06
4765	379986.6	3735491	6.97E-05	1.07E-05	7.14E-06
4766	379726.6	3735511	5.97E-05	9.20E-06	6.12E-06
4767	379746.6	3735511	6.07E-05	9.35E-06	6.21E-06
4768	379766.6	3735511	6.15E-05	9.47E-06	6.29E-06
4769	379786.6	3735511	6.22E-05	9.58E-06	6.37E-06
4770	379806.6	3735511	6.29E-05	9.69E-06	6.44E-06
4771	379826.6	3735511	6.36E-05	9.81E-06	6.52E-06
4772	379846.6	3735511	6.46E-05	9.96E-06	6.62E-06
4773	379866.6	3735511	6.55E-05	1.01E-05	6.71E-06
4774	379886.6	3735511	6.64E-05	1.02E-05	6.80E-06
4775	379906.6	3735511	6.74E-05	1.04E-05	6.90E-06
4776	379926.6	3735511	6.83E-05	1.05E-05	7.00E-06
4777	379946.6	3735511	6.94E-05	1.07E-05	7.11E-06
4778	379966.6	3735511	7.04E-05	1.09E-05	7.21E-06
4779	379986.6	3735511	7.11E-05	1.10E-05	7.29E-06
4780	379726.6	3735531	6.03E-05	9.30E-06	6.18E-06
4781	379746.6	3735531	6.12E-05	9.43E-06	6.27E-06
4782	379766.6	3735531	6.21E-05	9.57E-06	6.36E-06
4783	379786.6	3735531	6.29E-05	9.70E-06	6.45E-06
4784	379806.6	3735531	6.37E-05	9.82E-06	6.53E-06
4785	379826.6	3735531	6.46E-05	9.96E-06	6.62E-06
4786	379846.6	3735531	6.56E-05	1.01E-05	6.71E-06
4787	379866.6	3735531	6.65E-05	1.03E-05	6.81E-06

4788	379886.6	3735531	6.74E-05	1.04E-05	6.90E-06
4789	379906.6	3735531	6.83E-05	1.05E-05	7.00E-06
4790	379926.6	3735531	6.94E-05	1.07E-05	7.11E-06
4791	379946.6	3735531	7.05E-05	1.09E-05	7.22E-06
4792	379966.6	3735531	7.17E-05	1.10E-05	7.34E-06
4793	379986.6	3735531	7.27E-05	1.12E-05	7.45E-06
4794	379726.6	3735551	6.08E-05	9.38E-06	6.23E-06
4795	379746.6	3735551	6.18E-05	9.53E-06	6.33E-06
4796	379766.6	3735551	6.28E-05	9.67E-06	6.43E-06
4797	379786.6	3735551	6.36E-05	9.81E-06	6.52E-06
4798	379806.6	3735551	6.46E-05	9.96E-06	6.62E-06
4799	379826.6	3735551	6.55E-05	1.01E-05	6.71E-06
4800	379846.6	3735551	6.65E-05	1.03E-05	6.81E-06
4801	379866.6	3735551	6.75E-05	1.04E-05	6.91E-06
4802	379886.6	3735551	6.84E-05	1.05E-05	7.01E-06
4803	379906.6	3735551	6.93E-05	1.07E-05	7.10E-06
4804	379926.6	3735551	7.03E-05	1.08E-05	7.21E-06
4805	379946.6	3735551	7.16E-05	1.10E-05	7.33E-06
4806	379966.6	3735551	7.28E-05	1.12E-05	7.46E-06
4807	379986.6	3735551	7.39E-05	1.14E-05	7.57E-06
4808	379726.6	3735571	6.14E-05	9.46E-06	6.29E-06
4809	379746.6	3735571	6.24E-05	9.62E-06	6.39E-06
4810	379766.6	3735571	6.34E-05	9.77E-06	6.49E-06
4811	379786.6	3735571	6.43E-05	9.92E-06	6.59E-06
4812	379806.6	3735571	6.53E-05	1.01E-05	6.69E-06
4813	379826.6	3735571	6.63E-05	1.02E-05	6.79E-06
4814	379846.6	3735571	6.73E-05	1.04E-05	6.89E-06
4815	379866.6	3735571	6.83E-05	1.05E-05	7.00E-06
4816	379886.6	3735571	6.94E-05	1.07E-05	7.11E-06
4817	379906.6	3735571	7.03E-05	1.08E-05	7.21E-06
4818	379926.6	3735571	7.13E-05	1.10E-05	7.30E-06
4819	379946.6	3735571	7.25E-05	1.12E-05	7.43E-06
4820	379966.6	3735571	7.38E-05	1.14E-05	7.56E-06
4821	379986.6	3735571	7.51E-05	1.16E-05	7.70E-06
4822	379726.6	3735591	6.22E-05	9.58E-06	6.37E-06
4823	379746.6	3735591	6.31E-05	9.73E-06	6.46E-06
4824	379766.6	3735591	6.41E-05	9.87E-06	6.56E-06
4825	379786.6	3735591	6.50E-05	1.00E-05	6.66E-06
4826	379806.6	3735591	6.60E-05	1.02E-05	6.76E-06
4827	379826.6	3735591	6.69E-05	1.03E-05	6.86E-06
4828	379846.6	3735591	6.80E-05	1.05E-05	6.96E-06
4829	379866.6	3735591	6.90E-05	1.06E-05	7.07E-06
4830	379886.6	3735591	7.02E-05	1.08E-05	7.19E-06
4831	379906.6	3735591	7.12E-05	1.10E-05	7.29E-06
4832	379926.6	3735591	7.24E-05	1.12E-05	7.41E-06
4833	379946.6	3735591	7.36E-05	1.13E-05	7.54E-06
4834	379966.6	3735591	7.48E-05	1.15E-05	7.66E-06

4835	379986.6	3735591	7.61E-05	1.17E-05	7.79E-06
4836	379726.6	3735611	6.30E-05	9.71E-06	6.46E-06
4837	379746.6	3735611	6.39E-05	9.85E-06	6.54E-06
4838	379766.6	3735611	6.49E-05	1.00E-05	6.64E-06
4839	379786.6	3735611	6.58E-05	1.01E-05	6.74E-06
4840	379806.6	3735611	6.67E-05	1.03E-05	6.83E-06
4841	379826.6	3735611	6.77E-05	1.04E-05	6.94E-06
4842	379846.6	3735611	6.88E-05	1.06E-05	7.04E-06
4843	379866.6	3735611	6.99E-05	1.08E-05	7.16E-06
4844	379886.6	3735611	7.10E-05	1.09E-05	7.28E-06
4845	379906.6	3735611	7.22E-05	1.11E-05	7.39E-06
4846	379926.6	3735611	7.34E-05	1.13E-05	7.52E-06
4847	379946.6	3735611	7.45E-05	1.15E-05	7.63E-06
4848	379966.6	3735611	7.58E-05	1.17E-05	7.76E-06
4849	379986.6	3735611	7.71E-05	1.19E-05	7.90E-06
4850	379726.6	3735631	6.39E-05	9.85E-06	6.54E-06
4851	379746.6	3735631	6.48E-05	9.98E-06	6.63E-06
4852	379766.6	3735631	6.57E-05	1.01E-05	6.73E-06
4853	379786.6	3735631	6.66E-05	1.03E-05	6.82E-06
4854	379806.6	3735631	6.75E-05	1.04E-05	6.91E-06
4855	379826.6	3735631	6.84E-05	1.05E-05	7.01E-06
4856	379846.6	3735631	6.96E-05	1.07E-05	7.13E-06
4857	379866.6	3735631	7.09E-05	1.09E-05	7.26E-06
4858	379886.6	3735631	7.19E-05	1.11E-05	7.37E-06
4859	379906.6	3735631	7.31E-05	1.13E-05	7.49E-06
4860	379926.6	3735631	7.44E-05	1.15E-05	7.62E-06
4861	379946.6	3735631	7.55E-05	1.16E-05	7.73E-06
4862	379966.6	3735631	7.69E-05	1.18E-05	7.87E-06
4863	379986.6	3735631	7.83E-05	1.21E-05	8.02E-06
4864	380006.6	3735631	7.97E-05	1.23E-05	8.16E-06
4865	380026.6	3735631	8.12E-05	1.25E-05	8.31E-06
4866	380046.6	3735631	8.28E-05	1.28E-05	8.48E-06
4867	380066.6	3735631	8.47E-05	1.31E-05	8.68E-06
4868	380086.6	3735631	8.66E-05	1.33E-05	8.87E-06
4869	380106.6	3735631	8.90E-05	1.37E-05	9.12E-06
4870	379726.6	3735651	6.48E-05	9.98E-06	6.63E-06
4871	379746.6	3735651	6.56E-05	1.01E-05	6.72E-06
4872	379766.6	3735651	6.66E-05	1.03E-05	6.82E-06
4873	379786.6	3735651	6.76E-05	1.04E-05	6.92E-06
4874	379806.6	3735651	6.84E-05	1.05E-05	7.01E-06
4875	379826.6	3735651	6.94E-05	1.07E-05	7.11E-06
4876	379846.6	3735651	7.06E-05	1.09E-05	7.23E-06
4877	379866.6	3735651	7.18E-05	1.11E-05	7.36E-06
4878	379886.6	3735651	7.30E-05	1.12E-05	7.47E-06
4879	379906.6	3735651	7.43E-05	1.14E-05	7.61E-06
4880	379926.6	3735651	7.55E-05	1.16E-05	7.73E-06
4881	379946.6	3735651	7.68E-05	1.18E-05	7.87E-06

4882	379966.6	3735651	7.82E-05	1.21E-05	8.01E-06
4883	379986.6	3735651	7.97E-05	1.23E-05	8.16E-06
4884	380006.6	3735651	8.11E-05	1.25E-05	8.30E-06
4885	380026.6	3735651	8.25E-05	1.27E-05	8.45E-06
4886	380046.6	3735651	8.42E-05	1.30E-05	8.62E-06
4887	380066.6	3735651	8.66E-05	1.33E-05	8.87E-06
4888	380086.6	3735651	8.88E-05	1.37E-05	9.10E-06
4889	380106.6	3735651	9.10E-05	1.40E-05	9.32E-06
4890	379726.6	3735671	6.57E-05	1.01E-05	6.73E-06
4891	379746.6	3735671	6.66E-05	1.03E-05	6.82E-06
4892	379766.6	3735671	6.76E-05	1.04E-05	6.93E-06
4893	379786.6	3735671	6.86E-05	1.06E-05	7.03E-06
4894	379806.6	3735671	6.96E-05	1.07E-05	7.12E-06
4895	379826.6	3735671	7.05E-05	1.09E-05	7.22E-06
4896	379846.6	3735671	7.17E-05	1.10E-05	7.34E-06
4897	379866.6	3735671	7.30E-05	1.12E-05	7.47E-06
4898	379886.6	3735671	7.43E-05	1.14E-05	7.61E-06
4899	379906.6	3735671	7.55E-05	1.16E-05	7.73E-06
4900	379926.6	3735671	7.67E-05	1.18E-05	7.86E-06
4901	379946.6	3735671	7.80E-05	1.20E-05	7.99E-06
4902	379966.6	3735671	7.94E-05	1.22E-05	8.13E-06
4903	379986.6	3735671	8.09E-05	1.25E-05	8.29E-06
4904	380006.6	3735671	8.24E-05	1.27E-05	8.44E-06
4905	380026.6	3735671	8.39E-05	1.29E-05	8.59E-06
4906	380046.6	3735671	8.56E-05	1.32E-05	8.77E-06
4907	379726.6	3735691	6.67E-05	1.03E-05	6.83E-06
4908	379746.6	3735691	6.76E-05	1.04E-05	6.92E-06
4909	379766.6	3735691	6.87E-05	1.06E-05	7.04E-06
4910	379786.6	3735691	6.96E-05	1.07E-05	7.13E-06
4911	379806.6	3735691	7.07E-05	1.09E-05	7.24E-06
4912	379826.6	3735691	7.18E-05	1.11E-05	7.36E-06
4913	379846.6	3735691	7.30E-05	1.12E-05	7.47E-06
4914	379866.6	3735691	7.43E-05	1.14E-05	7.61E-06
4915	379886.6	3735691	7.56E-05	1.16E-05	7.74E-06
4916	379906.6	3735691	7.69E-05	1.18E-05	7.87E-06
4917	379926.6	3735691	7.81E-05	1.20E-05	8.00E-06
4918	379946.6	3735691	7.93E-05	1.22E-05	8.12E-06
4919	379966.6	3735691	8.06E-05	1.24E-05	8.26E-06
4920	379986.6	3735691	8.20E-05	1.26E-05	8.40E-06
4921	380006.6	3735691	8.35E-05	1.29E-05	8.55E-06
4922	380026.6	3735691	8.52E-05	1.31E-05	8.72E-06
4923	380046.6	3735691	8.70E-05	1.34E-05	8.91E-06
4924	379726.6	3735711	6.77E-05	1.04E-05	6.94E-06
4925	379746.6	3735711	6.88E-05	1.06E-05	7.04E-06
4926	379766.6	3735711	6.99E-05	1.08E-05	7.16E-06
4927	379786.6	3735711	7.10E-05	1.09E-05	7.27E-06
4928	379806.6	3735711	7.20E-05	1.11E-05	7.37E-06

4929	379826.6	3735711	7.32E-05	1.13E-05	7.50E-06
4930	379846.6	3735711	7.44E-05	1.15E-05	7.62E-06
4931	379866.6	3735711	7.58E-05	1.17E-05	7.76E-06
4932	379886.6	3735711	7.72E-05	1.19E-05	7.91E-06
4933	379906.6	3735711	7.85E-05	1.21E-05	8.04E-06
4934	379926.6	3735711	7.96E-05	1.23E-05	8.15E-06
4935	379946.6	3735711	8.09E-05	1.25E-05	8.29E-06
4936	379966.6	3735711	8.21E-05	1.27E-05	8.41E-06
4937	379986.6	3735711	8.34E-05	1.29E-05	8.54E-06
4938	380006.6	3735711	8.49E-05	1.31E-05	8.70E-06
4939	380026.6	3735711	8.66E-05	1.33E-05	8.87E-06
4940	380046.6	3735711	8.87E-05	1.37E-05	9.08E-06
4941	379726.6	3735731	6.87E-05	1.06E-05	7.04E-06
4942	379746.6	3735731	6.98E-05	1.08E-05	7.15E-06
4943	379766.6	3735731	7.10E-05	1.09E-05	7.28E-06
4944	379786.6	3735731	7.22E-05	1.11E-05	7.39E-06
4945	379806.6	3735731	7.33E-05	1.13E-05	7.51E-06
4946	379826.6	3735731	7.45E-05	1.15E-05	7.63E-06
4947	379846.6	3735731	7.58E-05	1.17E-05	7.77E-06
4948	379866.6	3735731	7.72E-05	1.19E-05	7.91E-06
4949	379886.6	3735731	7.86E-05	1.21E-05	8.05E-06
4950	379906.6	3735731	7.99E-05	1.23E-05	8.19E-06
4951	379926.6	3735731	8.12E-05	1.25E-05	8.31E-06
4952	379946.6	3735731	8.25E-05	1.27E-05	8.45E-06
4953	379966.6	3735731	8.37E-05	1.29E-05	8.57E-06
4954	379986.6	3735731	8.50E-05	1.31E-05	8.71E-06
4955	380006.6	3735731	8.66E-05	1.33E-05	8.87E-06
4956	380026.6	3735731	8.83E-05	1.36E-05	9.04E-06
4957	380046.6	3735731	9.05E-05	1.39E-05	9.27E-06
4958	379726.6	3735751	6.96E-05	1.07E-05	7.12E-06
4959	379746.6	3735751	7.09E-05	1.09E-05	7.26E-06
4960	379766.6	3735751	7.22E-05	1.11E-05	7.39E-06
4961	379786.6	3735751	7.34E-05	1.13E-05	7.52E-06
4962	379806.6	3735751	7.46E-05	1.15E-05	7.64E-06
4963	379826.6	3735751	7.58E-05	1.17E-05	7.77E-06
4964	379846.6	3735751	7.72E-05	1.19E-05	7.91E-06
4965	379866.6	3735751	7.86E-05	1.21E-05	8.05E-06
4966	379886.6	3735751	7.99E-05	1.23E-05	8.19E-06
4967	379906.6	3735751	8.14E-05	1.25E-05	8.34E-06
4968	379926.6	3735751	8.27E-05	1.27E-05	8.47E-06
4969	379946.6	3735751	8.40E-05	1.30E-05	8.61E-06
4970	379966.6	3735751	8.53E-05	1.32E-05	8.74E-06
4971	379986.6	3735751	8.67E-05	1.34E-05	8.88E-06
4972	380006.6	3735751	8.84E-05	1.36E-05	9.05E-06
4973	380026.6	3735751	9.03E-05	1.39E-05	9.25E-06
4974	380046.6	3735751	9.25E-05	1.43E-05	9.47E-06
4975	379726.6	3735771	7.05E-05	1.09E-05	7.22E-06

4976	379746.6	3735771	7.19E-05	1.11E-05	7.37E-06
4977	379766.6	3735771	7.34E-05	1.13E-05	7.52E-06
4978	379786.6	3735771	7.48E-05	1.15E-05	7.66E-06
4979	379806.6	3735771	7.60E-05	1.17E-05	7.79E-06
4980	379826.6	3735771	7.73E-05	1.19E-05	7.92E-06
4981	379846.6	3735771	7.85E-05	1.21E-05	8.04E-06
4982	379866.6	3735771	7.99E-05	1.23E-05	8.19E-06
4983	379886.6	3735771	8.13E-05	1.25E-05	8.33E-06
4984	379906.6	3735771	8.30E-05	1.28E-05	8.50E-06
4985	379926.6	3735771	8.46E-05	1.30E-05	8.66E-06
4986	379946.6	3735771	8.60E-05	1.32E-05	8.80E-06
4987	379966.6	3735771	8.73E-05	1.35E-05	8.95E-06
4988	379986.6	3735771	8.89E-05	1.37E-05	9.11E-06
4989	380006.6	3735771	9.07E-05	1.40E-05	9.29E-06
4990	380026.6	3735771	9.25E-05	1.43E-05	9.47E-06
4991	380046.6	3735771	9.47E-05	1.46E-05	9.70E-06
4992	379726.6	3735791	7.15E-05	1.10E-05	7.32E-06
4993	379746.6	3735791	7.30E-05	1.12E-05	7.47E-06
4994	379766.6	3735791	7.46E-05	1.15E-05	7.64E-06
4995	379786.6	3735791	7.62E-05	1.17E-05	7.80E-06
4996	379806.6	3735791	7.76E-05	1.20E-05	7.95E-06
4997	379826.6	3735791	7.88E-05	1.21E-05	8.07E-06
4998	379846.6	3735791	8.00E-05	1.23E-05	8.20E-06
4999	379866.6	3735791	8.13E-05	1.25E-05	8.33E-06
5000	379886.6	3735791	8.30E-05	1.28E-05	8.50E-06
5001	379906.6	3735791	8.46E-05	1.30E-05	8.67E-06
5002	379926.6	3735791	8.64E-05	1.33E-05	8.85E-06
5003	379946.6	3735791	8.80E-05	1.36E-05	9.01E-06
5004	379966.6	3735791	8.95E-05	1.38E-05	9.17E-06
5005	379986.6	3735791	9.12E-05	1.41E-05	9.34E-06
5006	380006.6	3735791	9.29E-05	1.43E-05	9.52E-06
5007	380026.6	3735791	9.48E-05	1.46E-05	9.71E-06
5008	379726.6	3735811	7.26E-05	1.12E-05	7.44E-06
5009	379746.6	3735811	7.41E-05	1.14E-05	7.59E-06
5010	379766.6	3735811	7.58E-05	1.17E-05	7.77E-06
5011	379786.6	3735811	7.76E-05	1.20E-05	7.95E-06
5012	379806.6	3735811	7.92E-05	1.22E-05	8.12E-06
5013	379826.6	3735811	8.05E-05	1.24E-05	8.25E-06
5014	379846.6	3735811	8.16E-05	1.26E-05	8.36E-06
5015	379866.6	3735811	8.29E-05	1.28E-05	8.49E-06
5016	379886.6	3735811	8.46E-05	1.30E-05	8.67E-06
5017	379906.6	3735811	8.65E-05	1.33E-05	8.86E-06
5018	379926.6	3735811	8.82E-05	1.36E-05	9.04E-06
5019	379946.6	3735811	8.99E-05	1.39E-05	9.21E-06
5020	379966.6	3735811	9.17E-05	1.41E-05	9.39E-06
5021	379986.6	3735811	9.35E-05	1.44E-05	9.58E-06
5022	380006.6	3735811	9.52E-05	1.47E-05	9.75E-06

5023	380026.6	3735811	9.72E-05	1.50E-05	9.96E-06
5024	379726.6	3735831	7.40E-05	1.14E-05	7.58E-06
5025	379746.6	3735831	7.56E-05	1.16E-05	7.74E-06
5026	379766.6	3735831	7.75E-05	1.19E-05	7.94E-06
5027	379786.6	3735831	7.92E-05	1.22E-05	8.11E-06
5028	379806.6	3735831	8.06E-05	1.24E-05	8.26E-06
5029	379826.6	3735831	8.21E-05	1.27E-05	8.41E-06
5030	379846.6	3735831	8.33E-05	1.28E-05	8.54E-06
5031	379866.6	3735831	8.46E-05	1.30E-05	8.67E-06
5032	379886.6	3735831	8.61E-05	1.33E-05	8.82E-06
5033	379906.6	3735831	8.80E-05	1.36E-05	9.01E-06
5034	379926.6	3735831	9.00E-05	1.39E-05	9.21E-06
5035	379946.6	3735831	9.20E-05	1.42E-05	9.42E-06
5036	379966.6	3735831	9.42E-05	1.45E-05	9.65E-06
5037	379986.6	3735831	9.64E-05	1.49E-05	9.87E-06
5038	380006.6	3735831	9.83E-05	1.52E-05	1.01E-05
5039	380026.6	3735831	1.00E-04	1.55E-05	1.03E-05
5040	379726.6	3735851	7.54E-05	1.16E-05	7.72E-06
5041	379746.6	3735851	7.71E-05	1.19E-05	7.90E-06
5042	379766.6	3735851	7.92E-05	1.22E-05	8.11E-06
5043	379786.6	3735851	8.07E-05	1.24E-05	8.27E-06
5044	379806.6	3735851	8.23E-05	1.27E-05	8.43E-06
5045	379826.6	3735851	8.38E-05	1.29E-05	8.58E-06
5046	379846.6	3735851	8.51E-05	1.31E-05	8.71E-06
5047	379866.6	3735851	8.65E-05	1.33E-05	8.86E-06
5048	379886.6	3735851	8.79E-05	1.35E-05	9.00E-06
5049	379906.6	3735851	8.99E-05	1.39E-05	9.21E-06
5050	379926.6	3735851	9.21E-05	1.42E-05	9.43E-06
5051	379946.6	3735851	9.46E-05	1.46E-05	9.69E-06
5052	379966.6	3735851	9.73E-05	1.50E-05	9.96E-06
5053	379986.6	3735851	9.98E-05	1.54E-05	1.02E-05
5054	380006.6	3735851	1.02E-04	1.57E-05	1.04E-05
5055	380026.6	3735851	1.04E-04	1.60E-05	1.07E-05
5056	379726.6	3735871	7.68E-05	1.18E-05	7.87E-06
5057	379746.6	3735871	7.88E-05	1.21E-05	8.07E-06
5058	379766.6	3735871	8.07E-05	1.24E-05	8.27E-06
5059	379786.6	3735871	8.25E-05	1.27E-05	8.45E-06
5060	379806.6	3735871	8.40E-05	1.30E-05	8.61E-06
5061	379826.6	3735871	8.54E-05	1.32E-05	8.75E-06
5062	379846.6	3735871	8.68E-05	1.34E-05	8.89E-06
5063	379866.6	3735871	8.83E-05	1.36E-05	9.04E-06
5064	379886.6	3735871	8.99E-05	1.39E-05	9.21E-06
5065	379906.6	3735871	9.21E-05	1.42E-05	9.44E-06
5066	379926.6	3735871	9.47E-05	1.46E-05	9.70E-06
5067	379946.6	3735871	9.77E-05	1.51E-05	1.00E-05
5068	379966.6	3735871	1.01E-04	1.56E-05	1.04E-05
5069	379986.6	3735871	1.04E-04	1.61E-05	1.07E-05

5070	380006.6	3735871	1.07E-04	1.64E-05	1.09E-05
5071	379726.6	3735891	7.80E-05	1.20E-05	7.99E-06
5072	379746.6	3735891	8.01E-05	1.23E-05	8.21E-06
5073	379766.6	3735891	8.22E-05	1.27E-05	8.42E-06
5074	379786.6	3735891	8.39E-05	1.29E-05	8.60E-06
5075	379806.6	3735891	8.56E-05	1.32E-05	8.77E-06
5076	379826.6	3735891	8.72E-05	1.34E-05	8.93E-06
5077	379846.6	3735891	8.88E-05	1.37E-05	9.10E-06
5078	379866.6	3735891	9.05E-05	1.39E-05	9.27E-06
5079	379886.6	3735891	9.24E-05	1.42E-05	9.46E-06
5080	379906.6	3735891	9.47E-05	1.46E-05	9.70E-06
5081	379926.6	3735891	9.75E-05	1.50E-05	9.98E-06
5082	379946.6	3735891	1.01E-04	1.56E-05	1.03E-05
5083	379966.6	3735891	1.04E-04	1.61E-05	1.07E-05
5084	379986.6	3735891	1.07E-04	1.65E-05	1.10E-05
5085	380006.6	3735891	1.09E-04	1.68E-05	1.12E-05
5086	379726.6	3735911	7.92E-05	1.22E-05	8.12E-06
5087	379746.6	3735911	8.14E-05	1.25E-05	8.34E-06
5088	379766.6	3735911	8.35E-05	1.29E-05	8.55E-06
5089	379786.6	3735911	8.53E-05	1.32E-05	8.74E-06
5090	379806.6	3735911	8.72E-05	1.34E-05	8.93E-06
5091	379826.6	3735911	8.89E-05	1.37E-05	9.11E-06
5092	379846.6	3735911	9.07E-05	1.40E-05	9.29E-06
5093	379866.6	3735911	9.26E-05	1.43E-05	9.48E-06
5094	379886.6	3735911	9.47E-05	1.46E-05	9.70E-06
5095	379906.6	3735911	9.71E-05	1.50E-05	9.95E-06
5096	379926.6	3735911	1.00E-04	1.55E-05	1.03E-05
5097	379946.6	3735911	1.04E-04	1.60E-05	1.06E-05
5098	379966.6	3735911	1.07E-04	1.64E-05	1.09E-05
5099	379986.6	3735911	1.09E-04	1.69E-05	1.12E-05
5100	380006.6	3735911	1.12E-04	1.72E-05	1.14E-05
5101	379726.6	3735931	8.03E-05	1.24E-05	8.22E-06
5102	379746.6	3735931	8.25E-05	1.27E-05	8.45E-06
5103	379766.6	3735931	8.46E-05	1.30E-05	8.67E-06
5104	379786.6	3735931	8.67E-05	1.34E-05	8.88E-06
5105	379806.6	3735931	8.87E-05	1.37E-05	9.09E-06
5106	379826.6	3735931	9.06E-05	1.40E-05	9.28E-06
5107	379846.6	3735931	9.26E-05	1.43E-05	9.48E-06
5108	379866.6	3735931	9.47E-05	1.46E-05	9.70E-06
5109	379886.6	3735931	9.68E-05	1.49E-05	9.91E-06
5110	379906.6	3735931	9.94E-05	1.53E-05	1.02E-05
5111	379926.6	3735931	1.03E-04	1.58E-05	1.05E-05
5112	379946.6	3735931	1.06E-04	1.63E-05	1.08E-05
5113	379966.6	3735931	1.09E-04	1.67E-05	1.11E-05
5114	379986.6	3735931	1.11E-04	1.71E-05	1.14E-05
5115	380006.6	3735931	1.13E-04	1.75E-05	1.16E-05
5116	379726.6	3735951	8.15E-05	1.26E-05	8.35E-06

5117	379746.6	3735951	8.37E-05	1.29E-05	8.57E-06
5118	379766.6	3735951	8.58E-05	1.32E-05	8.79E-06
5119	379786.6	3735951	8.80E-05	1.36E-05	9.01E-06
5120	379806.6	3735951	9.02E-05	1.39E-05	9.24E-06
5121	379826.6	3735951	9.25E-05	1.43E-05	9.47E-06
5122	379846.6	3735951	9.50E-05	1.46E-05	9.73E-06
5123	379866.6	3735951	9.72E-05	1.50E-05	9.96E-06
5124	379886.6	3735951	9.95E-05	1.53E-05	1.02E-05
5125	379906.6	3735951	1.02E-04	1.57E-05	1.05E-05
5126	379926.6	3735951	1.05E-04	1.62E-05	1.07E-05
5127	379946.6	3735951	1.08E-04	1.66E-05	1.10E-05
5128	379966.6	3735951	1.11E-04	1.70E-05	1.13E-05
5129	379986.6	3735951	1.13E-04	1.75E-05	1.16E-05
5130	380006.6	3735951	1.16E-04	1.79E-05	1.19E-05
5131	379726.6	3735971	8.31E-05	1.28E-05	8.51E-06
5132	379746.6	3735971	8.53E-05	1.31E-05	8.73E-06
5133	379766.6	3735971	8.73E-05	1.34E-05	8.94E-06
5134	379786.6	3735971	8.95E-05	1.38E-05	9.17E-06
5135	379806.6	3735971	9.19E-05	1.42E-05	9.41E-06
5136	379826.6	3735971	9.45E-05	1.46E-05	9.68E-06
5137	379846.6	3735971	9.69E-05	1.49E-05	9.93E-06
5138	379866.6	3735971	9.95E-05	1.53E-05	1.02E-05
5139	379886.6	3735971	1.02E-04	1.57E-05	1.04E-05
5140	379906.6	3735971	1.04E-04	1.61E-05	1.07E-05
5141	379926.6	3735971	1.07E-04	1.65E-05	1.10E-05
5142	379946.6	3735971	1.10E-04	1.69E-05	1.12E-05
5143	379966.6	3735971	1.13E-04	1.74E-05	1.15E-05
5144	379986.6	3735971	1.16E-04	1.79E-05	1.19E-05
5145	380006.6	3735971	1.19E-04	1.84E-05	1.22E-05
5146	379726.6	3735991	8.51E-05	1.31E-05	8.71E-06
5147	379746.6	3735991	8.72E-05	1.34E-05	8.93E-06
5148	379766.6	3735991	8.90E-05	1.37E-05	9.12E-06
5149	379786.6	3735991	9.12E-05	1.41E-05	9.34E-06
5150	379806.6	3735991	9.35E-05	1.44E-05	9.58E-06
5151	379826.6	3735991	9.61E-05	1.48E-05	9.84E-06
5152	379846.6	3735991	9.89E-05	1.52E-05	1.01E-05
5153	379866.6	3735991	1.02E-04	1.57E-05	1.04E-05
5154	379886.6	3735991	1.04E-04	1.60E-05	1.07E-05
5155	379906.6	3735991	1.07E-04	1.64E-05	1.09E-05
5156	379926.6	3735991	1.09E-04	1.68E-05	1.12E-05
5157	379946.6	3735991	1.12E-04	1.73E-05	1.15E-05
5158	379966.6	3735991	1.15E-04	1.78E-05	1.18E-05
5159	379986.6	3735991	1.19E-04	1.83E-05	1.22E-05
5160	380006.6	3735991	1.23E-04	1.89E-05	1.26E-05
5161	379726.6	3736011	8.72E-05	1.34E-05	8.93E-06
5162	379746.6	3736011	8.94E-05	1.38E-05	9.16E-06
5163	379766.6	3736011	9.14E-05	1.41E-05	9.37E-06

5164	379786.6	3736011	9.35E-05	1.44E-05	9.58E-06
5165	379806.6	3736011	9.58E-05	1.48E-05	9.81E-06
5166	379826.6	3736011	9.82E-05	1.51E-05	1.01E-05
5167	379846.6	3736011	1.01E-04	1.55E-05	1.03E-05
5168	379866.6	3736011	1.03E-04	1.59E-05	1.06E-05
5169	379886.6	3736011	1.06E-04	1.63E-05	1.09E-05
5170	379906.6	3736011	1.09E-04	1.67E-05	1.11E-05
5171	379926.6	3736011	1.11E-04	1.72E-05	1.14E-05
5172	379946.6	3736011	1.14E-04	1.76E-05	1.17E-05
5173	379966.6	3736011	1.18E-04	1.82E-05	1.21E-05
5174	379986.6	3736011	1.22E-04	1.88E-05	1.25E-05
5175	380006.6	3736011	1.25E-04	1.93E-05	1.28E-05
5176	379726.6	3736031	8.91E-05	1.37E-05	9.12E-06
5177	379746.6	3736031	9.14E-05	1.41E-05	9.36E-06
5178	379766.6	3736031	9.34E-05	1.44E-05	9.56E-06
5179	379786.6	3736031	9.54E-05	1.47E-05	9.77E-06
5180	379806.6	3736031	9.76E-05	1.50E-05	1.00E-05
5181	379826.6	3736031	1.00E-04	1.54E-05	1.02E-05
5182	379846.6	3736031	1.03E-04	1.58E-05	1.05E-05
5183	379866.6	3736031	1.05E-04	1.62E-05	1.08E-05
5184	379886.6	3736031	1.08E-04	1.66E-05	1.10E-05
5185	379906.6	3736031	1.11E-04	1.71E-05	1.13E-05
5186	379926.6	3736031	1.14E-04	1.75E-05	1.16E-05
5187	379946.6	3736031	1.17E-04	1.80E-05	1.20E-05
5188	379966.6	3736031	1.21E-04	1.86E-05	1.24E-05
5189	379986.6	3736031	1.24E-04	1.92E-05	1.27E-05
5190	380006.6	3736031	1.28E-04	1.97E-05	1.31E-05
5191	379726.6	3736051	9.06E-05	1.40E-05	9.28E-06
5192	379746.6	3736051	9.29E-05	1.43E-05	9.52E-06
5193	379766.6	3736051	9.50E-05	1.46E-05	9.73E-06
5194	379786.6	3736051	9.70E-05	1.50E-05	9.94E-06
5195	379806.6	3736051	9.92E-05	1.53E-05	1.02E-05
5196	379826.6	3736051	1.02E-04	1.57E-05	1.04E-05
5197	379846.6	3736051	1.04E-04	1.61E-05	1.07E-05
5198	379866.6	3736051	1.07E-04	1.65E-05	1.09E-05
5199	379886.6	3736051	1.10E-04	1.69E-05	1.12E-05
5200	379906.6	3736051	1.13E-04	1.74E-05	1.15E-05
5201	379926.6	3736051	1.16E-04	1.79E-05	1.19E-05
5202	379946.6	3736051	1.19E-04	1.84E-05	1.22E-05
5203	379966.6	3736051	1.23E-04	1.90E-05	1.26E-05
5204	379986.6	3736051	1.27E-04	1.95E-05	1.30E-05
5205	380006.6	3736051	1.31E-04	2.02E-05	1.34E-05
5206	380026.6	3736051	1.35E-04	2.08E-05	1.38E-05
5207	380046.6	3736051	1.39E-04	2.15E-05	1.43E-05
5208	379726.6	3736071	9.13E-05	1.41E-05	9.35E-06
5209	379746.6	3736071	9.38E-05	1.45E-05	9.61E-06
5210	379766.6	3736071	9.61E-05	1.48E-05	9.84E-06

5211	379786.6	3736071	9.83E-05	1.52E-05	1.01E-05
5212	379806.6	3736071	1.01E-04	1.55E-05	1.03E-05
5213	379826.6	3736071	1.03E-04	1.59E-05	1.06E-05
5214	379846.6	3736071	1.06E-04	1.64E-05	1.09E-05
5215	379866.6	3736071	1.09E-04	1.68E-05	1.11E-05
5216	379886.6	3736071	1.12E-04	1.72E-05	1.14E-05
5217	379906.6	3736071	1.15E-04	1.77E-05	1.17E-05
5218	379926.6	3736071	1.18E-04	1.82E-05	1.21E-05
5219	379946.6	3736071	1.21E-04	1.87E-05	1.24E-05
5220	379966.6	3736071	1.26E-04	1.93E-05	1.29E-05
5221	379986.6	3736071	1.29E-04	1.99E-05	1.32E-05
5222	380006.6	3736071	1.34E-04	2.06E-05	1.37E-05
5223	380026.6	3736071	1.38E-04	2.13E-05	1.41E-05
5224	380046.6	3736071	1.43E-04	2.20E-05	1.46E-05
5225	380066.6	3736071	1.48E-04	2.27E-05	1.51E-05
5226	380086.6	3736071	1.53E-04	2.36E-05	1.57E-05
5227	379726.6	3736091	9.21E-05	1.42E-05	9.43E-06
5228	379746.6	3736091	9.45E-05	1.46E-05	9.68E-06
5229	379766.6	3736091	9.70E-05	1.50E-05	9.94E-06
5230	379786.6	3736091	9.95E-05	1.53E-05	1.02E-05
5231	379806.6	3736091	1.02E-04	1.57E-05	1.05E-05
5232	379826.6	3736091	1.05E-04	1.62E-05	1.07E-05
5233	379846.6	3736091	1.08E-04	1.66E-05	1.10E-05
5234	379866.6	3736091	1.10E-04	1.70E-05	1.13E-05
5235	379886.6	3736091	1.13E-04	1.75E-05	1.16E-05
5236	379906.6	3736091	1.17E-04	1.80E-05	1.19E-05
5237	379926.6	3736091	1.20E-04	1.85E-05	1.23E-05
5238	379946.6	3736091	1.24E-04	1.90E-05	1.27E-05
5239	379966.6	3736091	1.28E-04	1.97E-05	1.31E-05
5240	379986.6	3736091	1.32E-04	2.03E-05	1.35E-05
5241	380006.6	3736091	1.36E-04	2.10E-05	1.40E-05
5242	380026.6	3736091	1.41E-04	2.17E-05	1.44E-05
5243	380046.6	3736091	1.46E-04	2.25E-05	1.49E-05
5244	380066.6	3736091	1.51E-04	2.33E-05	1.55E-05
5245	380086.6	3736091	1.57E-04	2.41E-05	1.60E-05
5246	379726.6	3736111	9.26E-05	1.43E-05	9.48E-06
5247	379746.6	3736111	9.53E-05	1.47E-05	9.76E-06
5248	379766.6	3736111	9.80E-05	1.51E-05	1.00E-05
5249	379786.6	3736111	1.01E-04	1.55E-05	1.03E-05
5250	379806.6	3736111	1.03E-04	1.59E-05	1.06E-05
5251	379826.6	3736111	1.06E-04	1.64E-05	1.09E-05
5252	379846.6	3736111	1.09E-04	1.68E-05	1.12E-05
5253	379866.6	3736111	1.12E-04	1.72E-05	1.15E-05
5254	379886.6	3736111	1.15E-04	1.77E-05	1.18E-05
5255	379906.6	3736111	1.18E-04	1.82E-05	1.21E-05
5256	379926.6	3736111	1.22E-04	1.88E-05	1.25E-05
5257	379946.6	3736111	1.26E-04	1.94E-05	1.29E-05

5258	379966.6	3736111	1.30E-04	2.00E-05	1.33E-05
5259	379986.6	3736111	1.34E-04	2.07E-05	1.38E-05
5260	380006.6	3736111	1.39E-04	2.14E-05	1.42E-05
5261	380026.6	3736111	1.44E-04	2.21E-05	1.47E-05
5262	380046.6	3736111	1.49E-04	2.29E-05	1.52E-05
5263	380066.6	3736111	1.54E-04	2.38E-05	1.58E-05
5264	380086.6	3736111	1.60E-04	2.47E-05	1.64E-05
5265	379726.6	3736131	9.32E-05	1.44E-05	9.54E-06
5266	379746.6	3736131	9.57E-05	1.48E-05	9.80E-06
5267	379766.6	3736131	9.87E-05	1.52E-05	1.01E-05
5268	379786.6	3736131	1.01E-04	1.56E-05	1.04E-05
5269	379806.6	3736131	1.04E-04	1.61E-05	1.07E-05
5270	379826.6	3736131	1.07E-04	1.66E-05	1.10E-05
5271	379846.6	3736131	1.10E-04	1.70E-05	1.13E-05
5272	379866.6	3736131	1.13E-04	1.74E-05	1.16E-05
5273	379886.6	3736131	1.16E-04	1.79E-05	1.19E-05
5274	379906.6	3736131	1.20E-04	1.85E-05	1.23E-05
5275	379926.6	3736131	1.24E-04	1.91E-05	1.27E-05
5276	379946.6	3736131	1.28E-04	1.97E-05	1.31E-05
5277	379966.6	3736131	1.32E-04	2.04E-05	1.35E-05
5278	379986.6	3736131	1.37E-04	2.11E-05	1.40E-05
5279	380006.6	3736131	1.41E-04	2.18E-05	1.45E-05
5280	380026.6	3736131	1.46E-04	2.26E-05	1.50E-05
5281	380046.6	3736131	1.52E-04	2.34E-05	1.55E-05
5282	380066.6	3736131	1.58E-04	2.43E-05	1.61E-05
5283	380086.6	3736131	1.64E-04	2.52E-05	1.68E-05
5284	379726.6	3736151	9.39E-05	1.45E-05	9.62E-06
5285	379746.6	3736151	9.65E-05	1.49E-05	9.88E-06
5286	379766.6	3736151	9.93E-05	1.53E-05	1.02E-05
5287	379786.6	3736151	1.02E-04	1.58E-05	1.05E-05
5288	379806.6	3736151	1.05E-04	1.62E-05	1.08E-05
5289	379826.6	3736151	1.08E-04	1.67E-05	1.11E-05
5290	379846.6	3736151	1.11E-04	1.71E-05	1.14E-05
5291	379866.6	3736151	1.14E-04	1.76E-05	1.17E-05
5292	379886.6	3736151	1.18E-04	1.82E-05	1.21E-05
5293	379906.6	3736151	1.22E-04	1.87E-05	1.25E-05
5294	379926.6	3736151	1.26E-04	1.94E-05	1.29E-05
5295	379946.6	3736151	1.30E-04	2.00E-05	1.33E-05
5296	379966.6	3736151	1.34E-04	2.07E-05	1.37E-05
5297	379986.6	3736151	1.39E-04	2.14E-05	1.42E-05
5298	380006.6	3736151	1.44E-04	2.22E-05	1.47E-05
5299	380026.6	3736151	1.49E-04	2.30E-05	1.53E-05
5300	380046.6	3736151	1.55E-04	2.38E-05	1.58E-05
5301	380066.6	3736151	1.61E-04	2.47E-05	1.64E-05
5302	380086.6	3736151	1.67E-04	2.57E-05	1.71E-05
5303	379726.6	3736171	9.48E-05	1.46E-05	9.71E-06
5304	379746.6	3736171	9.73E-05	1.50E-05	9.96E-06

5305	379766.6	3736171	1.00E-04	1.54E-05	1.02E-05
5306	379786.6	3736171	1.03E-04	1.59E-05	1.06E-05
5307	379806.6	3736171	1.06E-04	1.64E-05	1.09E-05
5308	379826.6	3736171	1.09E-04	1.68E-05	1.12E-05
5309	379846.6	3736171	1.12E-04	1.73E-05	1.15E-05
5310	379866.6	3736171	1.15E-04	1.78E-05	1.18E-05
5311	379886.6	3736171	1.19E-04	1.84E-05	1.22E-05
5312	379906.6	3736171	1.23E-04	1.90E-05	1.26E-05
5313	379926.6	3736171	1.28E-04	1.97E-05	1.31E-05
5314	379946.6	3736171	1.32E-04	2.03E-05	1.35E-05
5315	379966.6	3736171	1.36E-04	2.10E-05	1.39E-05
5316	379986.6	3736171	1.41E-04	2.17E-05	1.44E-05
5317	380006.6	3736171	1.46E-04	2.25E-05	1.50E-05
5318	380026.6	3736171	1.51E-04	2.33E-05	1.55E-05
5319	380046.6	3736171	1.57E-04	2.42E-05	1.61E-05
5320	380066.6	3736171	1.63E-04	2.52E-05	1.67E-05
5321	380086.6	3736171	1.70E-04	2.62E-05	1.74E-05
5322	379726.6	3736191	9.53E-05	1.47E-05	9.76E-06
5323	379746.6	3736191	9.77E-05	1.51E-05	1.00E-05
5324	379766.6	3736191	1.00E-04	1.55E-05	1.03E-05
5325	379786.6	3736191	1.03E-04	1.59E-05	1.06E-05
5326	379806.6	3736191	1.06E-04	1.64E-05	1.09E-05
5327	379826.6	3736191	1.10E-04	1.69E-05	1.12E-05
5328	379846.6	3736191	1.13E-04	1.74E-05	1.16E-05
5329	379866.6	3736191	1.16E-04	1.79E-05	1.19E-05
5330	379886.6	3736191	1.20E-04	1.85E-05	1.23E-05
5331	379906.6	3736191	1.24E-04	1.92E-05	1.27E-05
5332	379926.6	3736191	1.29E-04	1.99E-05	1.32E-05
5333	379946.6	3736191	1.33E-04	2.06E-05	1.37E-05
5334	379966.6	3736191	1.38E-04	2.13E-05	1.41E-05
5335	379986.6	3736191	1.43E-04	2.20E-05	1.46E-05
5336	380006.6	3736191	1.48E-04	2.28E-05	1.52E-05
5337	380026.6	3736191	1.54E-04	2.37E-05	1.57E-05
5338	380046.6	3736191	1.60E-04	2.46E-05	1.63E-05
5339	380066.6	3736191	1.66E-04	2.56E-05	1.70E-05
5340	380086.6	3736191	1.73E-04	2.67E-05	1.77E-05
5341	379726.6	3736211	9.57E-05	1.48E-05	9.80E-06
5342	379746.6	3736211	9.81E-05	1.51E-05	1.00E-05
5343	379766.6	3736211	1.01E-04	1.55E-05	1.03E-05
5344	379786.6	3736211	1.03E-04	1.59E-05	1.06E-05
5345	379806.6	3736211	1.07E-04	1.64E-05	1.09E-05
5346	379826.6	3736211	1.10E-04	1.69E-05	1.13E-05
5347	379846.6	3736211	1.13E-04	1.75E-05	1.16E-05
5348	379866.6	3736211	1.17E-04	1.80E-05	1.20E-05
5349	379886.6	3736211	1.21E-04	1.86E-05	1.24E-05
5350	379906.6	3736211	1.25E-04	1.93E-05	1.28E-05
5351	379926.6	3736211	1.30E-04	2.00E-05	1.33E-05

5352	379946.6	3736211	1.35E-04	2.08E-05	1.38E-05
5353	379966.6	3736211	1.39E-04	2.15E-05	1.43E-05
5354	379986.6	3736211	1.44E-04	2.23E-05	1.48E-05
5355	380006.6	3736211	1.50E-04	2.31E-05	1.53E-05
5356	380026.6	3736211	1.56E-04	2.40E-05	1.59E-05
5357	380046.6	3736211	1.62E-04	2.49E-05	1.66E-05
5358	380066.6	3736211	1.68E-04	2.60E-05	1.72E-05
5359	380086.6	3736211	1.75E-04	2.70E-05	1.80E-05
5360	379726.6	3736231	9.60E-05	1.48E-05	9.83E-06
5361	379746.6	3736231	9.84E-05	1.52E-05	1.01E-05
5362	379766.6	3736231	1.01E-04	1.55E-05	1.03E-05
5363	379786.6	3736231	1.04E-04	1.60E-05	1.06E-05
5364	379806.6	3736231	1.07E-04	1.64E-05	1.09E-05
5365	379826.6	3736231	1.10E-04	1.70E-05	1.13E-05
5366	379846.6	3736231	1.14E-04	1.75E-05	1.17E-05
5367	379866.6	3736231	1.17E-04	1.81E-05	1.20E-05
5368	379886.6	3736231	1.21E-04	1.87E-05	1.24E-05
5369	379906.6	3736231	1.26E-04	1.94E-05	1.29E-05
5370	379926.6	3736231	1.31E-04	2.02E-05	1.34E-05
5371	379946.6	3736231	1.36E-04	2.09E-05	1.39E-05
5372	379966.6	3736231	1.41E-04	2.17E-05	1.44E-05
5373	379986.6	3736231	1.46E-04	2.25E-05	1.49E-05
5374	380006.6	3736231	1.51E-04	2.33E-05	1.55E-05
5375	380026.6	3736231	1.57E-04	2.42E-05	1.61E-05
5376	380046.6	3736231	1.64E-04	2.52E-05	1.67E-05
5377	380066.6	3736231	1.70E-04	2.63E-05	1.74E-05
5378	380086.6	3736231	1.78E-04	2.74E-05	1.82E-05
5379	379726.6	3736251	9.58E-05	1.48E-05	9.81E-06
5380	379746.6	3736251	9.83E-05	1.52E-05	1.01E-05
5381	379766.6	3736251	1.01E-04	1.56E-05	1.03E-05
5382	379786.6	3736251	1.04E-04	1.60E-05	1.06E-05
5383	379806.6	3736251	1.07E-04	1.65E-05	1.10E-05
5384	379826.6	3736251	1.11E-04	1.71E-05	1.13E-05
5385	379846.6	3736251	1.14E-04	1.76E-05	1.17E-05
5386	379866.6	3736251	1.18E-04	1.82E-05	1.21E-05
5387	379886.6	3736251	1.22E-04	1.87E-05	1.24E-05
5388	379906.6	3736251	1.26E-04	1.95E-05	1.29E-05
5389	379926.6	3736251	1.31E-04	2.03E-05	1.35E-05
5390	379946.6	3736251	1.37E-04	2.11E-05	1.40E-05
5391	379966.6	3736251	1.42E-04	2.19E-05	1.45E-05
5392	379986.6	3736251	1.47E-04	2.27E-05	1.51E-05
5393	380006.6	3736251	1.53E-04	2.35E-05	1.56E-05
5394	380026.6	3736251	1.59E-04	2.45E-05	1.62E-05
5395	380046.6	3736251	1.65E-04	2.54E-05	1.69E-05
5396	380066.6	3736251	1.72E-04	2.65E-05	1.76E-05
5397	380086.6	3736251	1.80E-04	2.77E-05	1.84E-05
5398	379726.6	3736271	9.55E-05	1.47E-05	9.79E-06

5399	379746.6	3736271	9.82E-05	1.51E-05	1.01E-05
5400	379766.6	3736271	1.01E-04	1.56E-05	1.03E-05
5401	379786.6	3736271	1.04E-04	1.60E-05	1.07E-05
5402	379806.6	3736271	1.07E-04	1.65E-05	1.10E-05
5403	379826.6	3736271	1.11E-04	1.71E-05	1.14E-05
5404	379846.6	3736271	1.15E-04	1.77E-05	1.17E-05
5405	379866.6	3736271	1.18E-04	1.82E-05	1.21E-05
5406	379886.6	3736271	1.22E-04	1.88E-05	1.25E-05
5407	379906.6	3736271	1.27E-04	1.95E-05	1.30E-05
5408	379926.6	3736271	1.32E-04	2.04E-05	1.35E-05
5409	379946.6	3736271	1.38E-04	2.12E-05	1.41E-05
5410	379966.6	3736271	1.43E-04	2.20E-05	1.46E-05
5411	379986.6	3736271	1.48E-04	2.28E-05	1.52E-05
5412	380006.6	3736271	1.54E-04	2.37E-05	1.57E-05
5413	380026.6	3736271	1.60E-04	2.46E-05	1.64E-05
5414	380046.6	3736271	1.66E-04	2.56E-05	1.70E-05
5415	380066.6	3736271	1.72E-04	2.65E-05	1.76E-05
5416	379726.6	3736291	9.53E-05	1.47E-05	9.76E-06
5417	379746.6	3736291	9.80E-05	1.51E-05	1.00E-05
5418	379766.6	3736291	1.01E-04	1.55E-05	1.03E-05
5419	379786.6	3736291	1.04E-04	1.60E-05	1.07E-05
5420	379806.6	3736291	1.07E-04	1.66E-05	1.10E-05
5421	379826.6	3736291	1.11E-04	1.71E-05	1.14E-05
5422	379846.6	3736291	1.15E-04	1.77E-05	1.18E-05
5423	379866.6	3736291	1.19E-04	1.83E-05	1.22E-05
5424	379886.6	3736291	1.23E-04	1.90E-05	1.26E-05
5425	379906.6	3736291	1.28E-04	1.97E-05	1.31E-05
5426	379926.6	3736291	1.33E-04	2.05E-05	1.36E-05
5427	379946.6	3736291	1.38E-04	2.13E-05	1.41E-05
5428	379966.6	3736291	1.43E-04	2.21E-05	1.47E-05
5429	379986.6	3736291	1.49E-04	2.29E-05	1.52E-05
5430	380006.6	3736291	1.54E-04	2.38E-05	1.58E-05
5431	380026.6	3736291	1.60E-04	2.47E-05	1.64E-05
5432	380046.6	3736291	1.66E-04	2.56E-05	1.70E-05
5433	380066.6	3736291	1.72E-04	2.66E-05	1.77E-05
5434	379726.6	3736311	9.51E-05	1.47E-05	9.74E-06
5435	379746.6	3736311	9.78E-05	1.51E-05	1.00E-05
5436	379766.6	3736311	1.01E-04	1.56E-05	1.03E-05
5437	379786.6	3736311	1.04E-04	1.61E-05	1.07E-05
5438	379806.6	3736311	1.07E-04	1.66E-05	1.10E-05
5439	379826.6	3736311	1.11E-04	1.71E-05	1.14E-05
5440	379846.6	3736311	1.15E-04	1.77E-05	1.18E-05
5441	379866.6	3736311	1.19E-04	1.84E-05	1.22E-05
5442	379886.6	3736311	1.23E-04	1.90E-05	1.26E-05
5443	379906.6	3736311	1.28E-04	1.97E-05	1.31E-05
5444	379926.6	3736311	1.32E-04	2.04E-05	1.36E-05
5445	379946.6	3736311	1.38E-04	2.12E-05	1.41E-05

5446	379966.6	3736311	1.43E-04	2.21E-05	1.47E-05
5447	379986.6	3736311	1.49E-04	2.29E-05	1.52E-05
5448	380006.6	3736311	1.55E-04	2.38E-05	1.58E-05
5449	380026.6	3736311	1.60E-04	2.47E-05	1.64E-05
5450	380046.6	3736311	1.66E-04	2.56E-05	1.70E-05
5451	380066.6	3736311	1.73E-04	2.66E-05	1.77E-05
5452	379726.6	3736331	9.48E-05	1.46E-05	9.71E-06
5453	379746.6	3736331	9.75E-05	1.50E-05	9.99E-06
5454	379766.6	3736331	1.01E-04	1.55E-05	1.03E-05
5455	379786.6	3736331	1.04E-04	1.60E-05	1.07E-05
5456	379806.6	3736331	1.08E-04	1.66E-05	1.10E-05
5457	379826.6	3736331	1.11E-04	1.71E-05	1.14E-05
5458	379846.6	3736331	1.15E-04	1.77E-05	1.18E-05
5459	379866.6	3736331	1.19E-04	1.84E-05	1.22E-05
5460	379886.6	3736331	1.23E-04	1.90E-05	1.26E-05
5461	379906.6	3736331	1.27E-04	1.96E-05	1.31E-05
5462	379926.6	3736331	1.32E-04	2.04E-05	1.35E-05
5463	379946.6	3736331	1.37E-04	2.11E-05	1.41E-05
5464	379966.6	3736331	1.43E-04	2.20E-05	1.46E-05
5465	379986.6	3736331	1.48E-04	2.28E-05	1.52E-05
5466	380006.6	3736331	1.54E-04	2.37E-05	1.57E-05
5467	380026.6	3736331	1.60E-04	2.46E-05	1.63E-05
5468	380046.6	3736331	1.66E-04	2.56E-05	1.70E-05
5469	380066.6	3736331	1.73E-04	2.67E-05	1.77E-05
5470	379726.6	3736351	9.47E-05	1.46E-05	9.70E-06
5471	379746.6	3736351	9.73E-05	1.50E-05	9.96E-06
5472	379766.6	3736351	1.00E-04	1.55E-05	1.03E-05
5473	379786.6	3736351	1.04E-04	1.60E-05	1.07E-05
5474	379806.6	3736351	1.08E-04	1.66E-05	1.10E-05
5475	379826.6	3736351	1.11E-04	1.71E-05	1.14E-05
5476	379846.6	3736351	1.15E-04	1.77E-05	1.18E-05
5477	379866.6	3736351	1.19E-04	1.83E-05	1.22E-05
5478	379886.6	3736351	1.23E-04	1.89E-05	1.26E-05
5479	379906.6	3736351	1.27E-04	1.96E-05	1.30E-05
5480	379926.6	3736351	1.32E-04	2.03E-05	1.35E-05
5481	379946.6	3736351	1.37E-04	2.11E-05	1.40E-05
5482	379966.6	3736351	1.42E-04	2.19E-05	1.45E-05
5483	379986.6	3736351	1.47E-04	2.27E-05	1.51E-05
5484	380006.6	3736351	1.53E-04	2.35E-05	1.56E-05
5485	380026.6	3736351	1.58E-04	2.44E-05	1.62E-05
5486	380046.6	3736351	1.65E-04	2.54E-05	1.69E-05
5487	380066.6	3736351	1.73E-04	2.67E-05	1.78E-05
5488	379726.6	3736371	9.43E-05	1.45E-05	9.66E-06
5489	379746.6	3736371	9.70E-05	1.50E-05	9.94E-06
5490	379766.6	3736371	1.00E-04	1.54E-05	1.03E-05
5491	379786.6	3736371	1.04E-04	1.60E-05	1.06E-05
5492	379806.6	3736371	1.07E-04	1.66E-05	1.10E-05

5493	379826.6	3736371	1.11E-04	1.71E-05	1.14E-05
5494	379846.6	3736371	1.15E-04	1.77E-05	1.17E-05
5495	379866.6	3736371	1.18E-04	1.83E-05	1.21E-05
5496	379886.6	3736371	1.22E-04	1.89E-05	1.25E-05
5497	379906.6	3736371	1.27E-04	1.95E-05	1.30E-05
5498	379926.6	3736371	1.31E-04	2.02E-05	1.34E-05
5499	379946.6	3736371	1.36E-04	2.10E-05	1.39E-05
5500	379966.6	3736371	1.41E-04	2.18E-05	1.45E-05
5501	379986.6	3736371	1.47E-04	2.26E-05	1.50E-05
5502	380006.6	3736371	1.52E-04	2.34E-05	1.56E-05
5503	380026.6	3736371	1.58E-04	2.43E-05	1.61E-05
5504	380046.6	3736371	1.64E-04	2.53E-05	1.68E-05
5505	380066.6	3736371	1.73E-04	2.66E-05	1.77E-05
5506	379726.6	3736391	9.40E-05	1.45E-05	9.62E-06
5507	379746.6	3736391	9.65E-05	1.49E-05	9.88E-06
5508	379766.6	3736391	9.95E-05	1.53E-05	1.02E-05
5509	379786.6	3736391	1.03E-04	1.59E-05	1.06E-05
5510	379806.6	3736391	1.07E-04	1.64E-05	1.09E-05
5511	379826.6	3736391	1.10E-04	1.70E-05	1.13E-05
5512	379846.6	3736391	1.14E-04	1.76E-05	1.17E-05
5513	379866.6	3736391	1.18E-04	1.81E-05	1.21E-05
5514	379886.6	3736391	1.22E-04	1.88E-05	1.25E-05
5515	379906.6	3736391	1.26E-04	1.94E-05	1.29E-05
5516	379926.6	3736391	1.30E-04	2.01E-05	1.33E-05
5517	379946.6	3736391	1.35E-04	2.08E-05	1.38E-05
5518	379966.6	3736391	1.40E-04	2.16E-05	1.44E-05
5519	379986.6	3736391	1.46E-04	2.24E-05	1.49E-05
5520	380006.6	3736391	1.51E-04	2.32E-05	1.54E-05
5521	380026.6	3736391	1.56E-04	2.41E-05	1.60E-05
5522	380046.6	3736391	1.63E-04	2.51E-05	1.67E-05
5523	380066.6	3736391	1.71E-04	2.64E-05	1.75E-05
5524	379726.6	3736411	9.35E-05	1.44E-05	9.58E-06
5525	379746.6	3736411	9.59E-05	1.48E-05	9.82E-06
5526	379766.6	3736411	9.87E-05	1.52E-05	1.01E-05
5527	379786.6	3736411	1.02E-04	1.57E-05	1.04E-05
5528	379806.6	3736411	1.05E-04	1.63E-05	1.08E-05
5529	379826.6	3736411	1.09E-04	1.68E-05	1.12E-05
5530	379846.6	3736411	1.13E-04	1.74E-05	1.16E-05
5531	379866.6	3736411	1.17E-04	1.80E-05	1.19E-05
5532	379886.6	3736411	1.20E-04	1.86E-05	1.23E-05
5533	379906.6	3736411	1.24E-04	1.92E-05	1.27E-05
5534	379926.6	3736411	1.29E-04	1.99E-05	1.32E-05
5535	379946.6	3736411	1.34E-04	2.06E-05	1.37E-05
5536	379966.6	3736411	1.39E-04	2.14E-05	1.42E-05
5537	379986.6	3736411	1.44E-04	2.22E-05	1.48E-05
5538	380006.6	3736411	1.49E-04	2.30E-05	1.53E-05
5539	380026.6	3736411	1.54E-04	2.38E-05	1.58E-05

5540	380046.6	3736411	1.61E-04	2.48E-05	1.65E-05
5541	380066.6	3736411	1.69E-04	2.60E-05	1.73E-05
5542	379726.6	3736431	9.31E-05	1.43E-05	9.54E-06
5543	379746.6	3736431	9.54E-05	1.47E-05	9.77E-06
5544	379766.6	3736431	9.79E-05	1.51E-05	1.00E-05
5545	379786.6	3736431	1.01E-04	1.56E-05	1.03E-05
5546	379806.6	3736431	1.04E-04	1.61E-05	1.07E-05
5547	379826.6	3736431	1.08E-04	1.67E-05	1.11E-05
5548	379846.6	3736431	1.12E-04	1.73E-05	1.15E-05
5549	379866.6	3736431	1.16E-04	1.79E-05	1.19E-05
5550	379886.6	3736431	1.20E-04	1.84E-05	1.22E-05
5551	379906.6	3736431	1.24E-04	1.90E-05	1.27E-05
5552	379926.6	3736431	1.28E-04	1.97E-05	1.31E-05
5553	379946.6	3736431	1.33E-04	2.04E-05	1.36E-05
5554	379966.6	3736431	1.38E-04	2.12E-05	1.41E-05
5555	379986.6	3736431	1.43E-04	2.20E-05	1.46E-05
5556	380006.6	3736431	1.48E-04	2.28E-05	1.51E-05
5557	380026.6	3736431	1.53E-04	2.36E-05	1.57E-05
5558	380046.6	3736431	1.59E-04	2.45E-05	1.63E-05
5559	379726.6	3736451	9.26E-05	1.43E-05	9.48E-06
5560	379746.6	3736451	9.48E-05	1.46E-05	9.71E-06
5561	379766.6	3736451	9.71E-05	1.50E-05	9.95E-06
5562	379786.6	3736451	1.00E-04	1.54E-05	1.03E-05
5563	379806.6	3736451	1.03E-04	1.59E-05	1.06E-05
5564	379826.6	3736451	1.07E-04	1.65E-05	1.10E-05
5565	379846.6	3736451	1.11E-04	1.71E-05	1.14E-05
5566	379866.6	3736451	1.15E-04	1.77E-05	1.18E-05
5567	379886.6	3736451	1.19E-04	1.83E-05	1.22E-05
5568	379906.6	3736451	1.22E-04	1.89E-05	1.25E-05
5569	379926.6	3736451	1.27E-04	1.95E-05	1.30E-05
5570	379946.6	3736451	1.31E-04	2.02E-05	1.35E-05
5571	379966.6	3736451	1.36E-04	2.10E-05	1.40E-05
5572	379986.6	3736451	1.42E-04	2.18E-05	1.45E-05
5573	380006.6	3736451	1.46E-04	2.26E-05	1.50E-05
5574	380026.6	3736451	1.51E-04	2.33E-05	1.55E-05
5575	380046.6	3736451	1.57E-04	2.42E-05	1.61E-05
5576	379726.6	3736471	9.21E-05	1.42E-05	9.43E-06
5577	379746.6	3736471	9.43E-05	1.45E-05	9.66E-06
5578	379766.6	3736471	9.65E-05	1.49E-05	9.88E-06
5579	379786.6	3736471	9.95E-05	1.53E-05	1.02E-05
5580	379806.6	3736471	1.03E-04	1.58E-05	1.05E-05
5581	379826.6	3736471	1.06E-04	1.64E-05	1.09E-05
5582	379846.6	3736471	1.10E-04	1.70E-05	1.13E-05
5583	379866.6	3736471	1.14E-04	1.76E-05	1.17E-05
5584	379886.6	3736471	1.18E-04	1.81E-05	1.20E-05
5585	379906.6	3736471	1.21E-04	1.87E-05	1.24E-05
5586	379926.6	3736471	1.25E-04	1.93E-05	1.28E-05

5587	379946.6	3736471	1.30E-04	2.01E-05	1.33E-05
5588	379966.6	3736471	1.35E-04	2.08E-05	1.38E-05
5589	379986.6	3736471	1.40E-04	2.16E-05	1.44E-05
5590	380006.6	3736471	1.45E-04	2.24E-05	1.49E-05
5591	380026.6	3736471	1.50E-04	2.31E-05	1.54E-05
5592	380046.6	3736471	1.56E-04	2.40E-05	1.59E-05
5593	379726.6	3736491	9.12E-05	1.41E-05	9.34E-06
5594	379746.6	3736491	9.35E-05	1.44E-05	9.58E-06
5595	379766.6	3736491	9.60E-05	1.48E-05	9.83E-06
5596	379786.6	3736491	9.89E-05	1.52E-05	1.01E-05
5597	379806.6	3736491	1.02E-04	1.57E-05	1.05E-05
5598	379826.6	3736491	1.06E-04	1.63E-05	1.08E-05
5599	379846.6	3736491	1.09E-04	1.68E-05	1.12E-05
5600	379866.6	3736491	1.13E-04	1.74E-05	1.16E-05
5601	379886.6	3736491	1.17E-04	1.80E-05	1.19E-05
5602	379906.6	3736491	1.20E-04	1.85E-05	1.23E-05
5603	379926.6	3736491	1.24E-04	1.92E-05	1.27E-05
5604	379946.6	3736491	1.29E-04	1.99E-05	1.32E-05
5605	379966.6	3736491	1.34E-04	2.06E-05	1.37E-05
5606	379986.6	3736491	1.39E-04	2.14E-05	1.42E-05
5607	380006.6	3736491	1.44E-04	2.22E-05	1.47E-05
5608	380026.6	3736491	1.49E-04	2.29E-05	1.52E-05
5609	380046.6	3736491	1.55E-04	2.38E-05	1.58E-05
5610	379726.6	3736511	9.04E-05	1.39E-05	9.26E-06
5611	379746.6	3736511	9.28E-05	1.43E-05	9.50E-06
5612	379766.6	3736511	9.54E-05	1.47E-05	9.77E-06
5613	379786.6	3736511	9.82E-05	1.51E-05	1.01E-05
5614	379806.6	3736511	1.01E-04	1.56E-05	1.04E-05
5615	379826.6	3736511	1.05E-04	1.61E-05	1.07E-05
5616	379846.6	3736511	1.08E-04	1.67E-05	1.11E-05
5617	379866.6	3736511	1.12E-04	1.73E-05	1.15E-05
5618	379886.6	3736511	1.16E-04	1.78E-05	1.18E-05
5619	379906.6	3736511	1.19E-04	1.84E-05	1.22E-05
5620	379926.6	3736511	1.23E-04	1.90E-05	1.26E-05
5621	379946.6	3736511	1.28E-04	1.97E-05	1.31E-05
5622	379966.6	3736511	1.33E-04	2.04E-05	1.36E-05
5623	379986.6	3736511	1.37E-04	2.12E-05	1.41E-05
5624	380006.6	3736511	1.42E-04	2.19E-05	1.46E-05
5625	380026.6	3736511	1.47E-04	2.27E-05	1.51E-05
5626	380046.6	3736511	1.53E-04	2.36E-05	1.57E-05
5627	379726.6	3736531	8.95E-05	1.38E-05	9.17E-06
5628	379746.6	3736531	9.20E-05	1.42E-05	9.42E-06
5629	379766.6	3736531	9.45E-05	1.46E-05	9.68E-06
5630	379786.6	3736531	9.74E-05	1.50E-05	9.97E-06
5631	379806.6	3736531	1.00E-04	1.55E-05	1.03E-05
5632	379826.6	3736531	1.04E-04	1.60E-05	1.06E-05
5633	379846.6	3736531	1.07E-04	1.66E-05	1.10E-05

5634	379866.6	3736531	1.11E-04	1.71E-05	1.14E-05
5635	379886.6	3736531	1.14E-04	1.76E-05	1.17E-05
5636	379906.6	3736531	1.18E-04	1.82E-05	1.21E-05
5637	379926.6	3736531	1.22E-04	1.88E-05	1.25E-05
5638	379946.6	3736531	1.26E-04	1.95E-05	1.29E-05
5639	379966.6	3736531	1.31E-04	2.02E-05	1.34E-05
5640	379986.6	3736531	1.36E-04	2.09E-05	1.39E-05
5641	380006.6	3736531	1.41E-04	2.17E-05	1.44E-05
5642	380026.6	3736531	1.46E-04	2.25E-05	1.50E-05
5643	380046.6	3736531	1.52E-04	2.34E-05	1.56E-05
5644	379726.6	3736551	8.90E-05	1.37E-05	9.12E-06
5645	379746.6	3736551	9.14E-05	1.41E-05	9.37E-06
5646	379766.6	3736551	9.40E-05	1.45E-05	9.62E-06
5647	379786.6	3736551	9.66E-05	1.49E-05	9.89E-06
5648	379806.6	3736551	9.95E-05	1.53E-05	1.02E-05
5649	379826.6	3736551	1.03E-04	1.58E-05	1.05E-05
5650	379846.6	3736551	1.06E-04	1.64E-05	1.09E-05
5651	379866.6	3736551	1.10E-04	1.70E-05	1.13E-05
5652	379886.6	3736551	1.13E-04	1.75E-05	1.16E-05
5653	379906.6	3736551	1.17E-04	1.80E-05	1.20E-05
5654	379926.6	3736551	1.21E-04	1.86E-05	1.24E-05
5655	379946.6	3736551	1.25E-04	1.92E-05	1.28E-05
5656	379966.6	3736551	1.29E-04	1.99E-05	1.32E-05
5657	379986.6	3736551	1.34E-04	2.07E-05	1.38E-05
5658	380006.6	3736551	1.40E-04	2.15E-05	1.43E-05
5659	380026.6	3736551	1.45E-04	2.24E-05	1.49E-05
5660	380046.6	3736551	1.51E-04	2.33E-05	1.55E-05
5661	379726.6	3736571	8.84E-05	1.36E-05	9.05E-06
5662	379746.6	3736571	9.08E-05	1.40E-05	9.30E-06
5663	379766.6	3736571	9.34E-05	1.44E-05	9.56E-06
5664	379786.6	3736571	9.57E-05	1.48E-05	9.80E-06
5665	379806.6	3736571	9.84E-05	1.52E-05	1.01E-05
5666	379826.6	3736571	1.02E-04	1.57E-05	1.04E-05
5667	379846.6	3736571	1.05E-04	1.62E-05	1.08E-05
5668	379866.6	3736571	1.09E-04	1.68E-05	1.11E-05
5669	379886.6	3736571	1.12E-04	1.73E-05	1.15E-05
5670	379906.6	3736571	1.16E-04	1.78E-05	1.18E-05
5671	379926.6	3736571	1.19E-04	1.83E-05	1.22E-05
5672	379946.6	3736571	1.23E-04	1.89E-05	1.26E-05
5673	379966.6	3736571	1.27E-04	1.96E-05	1.31E-05
5674	379986.6	3736571	1.32E-04	2.04E-05	1.36E-05
5675	380006.6	3736571	1.38E-04	2.13E-05	1.41E-05
5676	380026.6	3736571	1.44E-04	2.22E-05	1.47E-05
5677	380046.6	3736571	1.50E-04	2.32E-05	1.54E-05
5678	379726.6	3736591	8.79E-05	1.35E-05	9.00E-06
5679	379746.6	3736591	9.02E-05	1.39E-05	9.24E-06
5680	379766.6	3736591	9.26E-05	1.43E-05	9.48E-06

5681	379786.6	3736591	9.48E-05	1.46E-05	9.71E-06
5682	379806.6	3736591	9.74E-05	1.50E-05	9.97E-06
5683	379826.6	3736591	1.00E-04	1.55E-05	1.03E-05
5684	379846.6	3736591	1.04E-04	1.60E-05	1.06E-05
5685	379866.6	3736591	1.07E-04	1.65E-05	1.10E-05
5686	379886.6	3736591	1.11E-04	1.70E-05	1.13E-05
5687	379906.6	3736591	1.14E-04	1.75E-05	1.17E-05
5688	379926.6	3736591	1.17E-04	1.81E-05	1.20E-05
5689	379946.6	3736591	1.21E-04	1.86E-05	1.24E-05
5690	379966.6	3736591	1.25E-04	1.93E-05	1.28E-05
5691	379986.6	3736591	1.30E-04	2.01E-05	1.33E-05
5692	380006.6	3736591	1.36E-04	2.09E-05	1.39E-05
5693	380026.6	3736591	1.42E-04	2.19E-05	1.46E-05
5694	379726.6	3736611	8.71E-05	1.34E-05	8.92E-06
5695	379746.6	3736611	8.94E-05	1.38E-05	9.15E-06
5696	379766.6	3736611	9.18E-05	1.41E-05	9.40E-06
5697	379786.6	3736611	9.42E-05	1.45E-05	9.65E-06
5698	379806.6	3736611	9.68E-05	1.49E-05	9.91E-06
5699	379826.6	3736611	9.94E-05	1.53E-05	1.02E-05
5700	379846.6	3736611	1.02E-04	1.58E-05	1.05E-05
5701	379866.6	3736611	1.05E-04	1.63E-05	1.08E-05
5702	379886.6	3736611	1.09E-04	1.68E-05	1.12E-05
5703	379906.6	3736611	1.12E-04	1.73E-05	1.15E-05
5704	379926.6	3736611	1.16E-04	1.79E-05	1.19E-05
5705	379946.6	3736611	1.20E-04	1.84E-05	1.22E-05
5706	379966.6	3736611	1.24E-04	1.91E-05	1.27E-05
5707	379986.6	3736611	1.29E-04	1.98E-05	1.32E-05
5708	380006.6	3736611	1.34E-04	2.07E-05	1.37E-05
5709	380026.6	3736611	1.41E-04	2.17E-05	1.44E-05
5710	379726.6	3736631	8.64E-05	1.33E-05	8.85E-06
5711	379746.6	3736631	8.86E-05	1.37E-05	9.07E-06
5712	379766.6	3736631	9.10E-05	1.40E-05	9.32E-06
5713	379786.6	3736631	9.35E-05	1.44E-05	9.58E-06
5714	379806.6	3736631	9.61E-05	1.48E-05	9.85E-06
5715	379826.6	3736631	9.87E-05	1.52E-05	1.01E-05
5716	379846.6	3736631	1.01E-04	1.56E-05	1.04E-05
5717	379866.6	3736631	1.04E-04	1.61E-05	1.07E-05
5718	379886.6	3736631	1.08E-04	1.66E-05	1.10E-05
5719	379906.6	3736631	1.11E-04	1.71E-05	1.14E-05
5720	379926.6	3736631	1.15E-04	1.77E-05	1.17E-05
5721	379946.6	3736631	1.18E-04	1.82E-05	1.21E-05
5722	379966.6	3736631	1.23E-04	1.89E-05	1.26E-05
5723	379986.6	3736631	1.28E-04	1.97E-05	1.31E-05
5724	380006.6	3736631	1.33E-04	2.04E-05	1.36E-05
5725	380026.6	3736631	1.39E-04	2.14E-05	1.42E-05
5726	379726.6	3736651	8.56E-05	1.32E-05	8.77E-06
5727	379746.6	3736651	8.78E-05	1.35E-05	8.99E-06

5728	379766.6	3736651	9.03E-05	1.39E-05	9.25E-06
5729	379786.6	3736651	9.29E-05	1.43E-05	9.52E-06
5730	379806.6	3736651	9.55E-05	1.47E-05	9.78E-06
5731	379826.6	3736651	9.81E-05	1.51E-05	1.00E-05
5732	379846.6	3736651	1.00E-04	1.55E-05	1.03E-05
5733	379866.6	3736651	1.03E-04	1.59E-05	1.05E-05
5734	379886.6	3736651	1.06E-04	1.64E-05	1.09E-05
5735	379906.6	3736651	1.10E-04	1.69E-05	1.12E-05
5736	379926.6	3736651	1.13E-04	1.75E-05	1.16E-05
5737	379946.6	3736651	1.17E-04	1.81E-05	1.20E-05
5738	379966.6	3736651	1.22E-04	1.88E-05	1.25E-05
5739	379986.6	3736651	1.26E-04	1.95E-05	1.29E-05
5740	380006.6	3736651	1.31E-04	2.02E-05	1.34E-05
5741	380026.6	3736651	1.37E-04	2.11E-05	1.40E-05
5742	379726.6	3736671	8.49E-05	1.31E-05	8.70E-06
5743	379746.6	3736671	8.73E-05	1.35E-05	8.95E-06
5744	379766.6	3736671	8.98E-05	1.38E-05	9.20E-06
5745	379786.6	3736671	9.23E-05	1.42E-05	9.46E-06
5746	379806.6	3736671	9.48E-05	1.46E-05	9.71E-06
5747	379826.6	3736671	9.72E-05	1.50E-05	9.96E-06
5748	379846.6	3736671	9.95E-05	1.53E-05	1.02E-05
5749	379866.6	3736671	1.02E-04	1.57E-05	1.05E-05
5750	379886.6	3736671	1.05E-04	1.62E-05	1.08E-05
5751	379906.6	3736671	1.09E-04	1.68E-05	1.12E-05
5752	379926.6	3736671	1.13E-04	1.74E-05	1.15E-05
5753	379946.6	3736671	1.17E-04	1.80E-05	1.19E-05
5754	379966.6	3736671	1.21E-04	1.86E-05	1.24E-05
5755	379986.6	3736671	1.25E-04	1.93E-05	1.28E-05
5756	380006.6	3736671	1.30E-04	2.00E-05	1.33E-05
5757	380026.6	3736671	1.35E-04	2.08E-05	1.38E-05
5758	379726.6	3736691	8.42E-05	1.30E-05	8.62E-06
5759	379746.6	3736691	8.66E-05	1.34E-05	8.87E-06
5760	379766.6	3736691	8.91E-05	1.37E-05	9.12E-06
5761	379786.6	3736691	9.15E-05	1.41E-05	9.37E-06
5762	379806.6	3736691	9.40E-05	1.45E-05	9.62E-06
5763	379826.6	3736691	9.61E-05	1.48E-05	9.85E-06
5764	379846.6	3736691	9.85E-05	1.52E-05	1.01E-05
5765	379866.6	3736691	1.01E-04	1.56E-05	1.04E-05
5766	379886.6	3736691	1.05E-04	1.61E-05	1.07E-05
5767	379906.6	3736691	1.08E-04	1.66E-05	1.11E-05
5768	379926.6	3736691	1.12E-04	1.72E-05	1.14E-05
5769	379946.6	3736691	1.16E-04	1.78E-05	1.18E-05
5770	379966.6	3736691	1.20E-04	1.84E-05	1.23E-05
5771	379986.6	3736691	1.24E-04	1.91E-05	1.27E-05
5772	380006.6	3736691	1.28E-04	1.98E-05	1.31E-05
5773	380026.6	3736691	1.33E-04	2.05E-05	1.36E-05
5774	379726.6	3736711	8.35E-05	1.29E-05	8.55E-06

5775	379746.6	3736711	8.58E-05	1.32E-05	8.79E-06
5776	379766.6	3736711	8.82E-05	1.36E-05	9.04E-06
5777	379786.6	3736711	9.06E-05	1.40E-05	9.28E-06
5778	379806.6	3736711	9.28E-05	1.43E-05	9.51E-06
5779	379826.6	3736711	9.50E-05	1.46E-05	9.73E-06
5780	379846.6	3736711	9.75E-05	1.50E-05	9.98E-06
5781	379866.6	3736711	1.00E-04	1.55E-05	1.03E-05
5782	379886.6	3736711	1.04E-04	1.60E-05	1.06E-05
5783	379906.6	3736711	1.07E-04	1.65E-05	1.10E-05
5784	379926.6	3736711	1.11E-04	1.70E-05	1.13E-05
5785	379946.6	3736711	1.14E-04	1.76E-05	1.17E-05
5786	379966.6	3736711	1.18E-04	1.82E-05	1.21E-05
5787	379986.6	3736711	1.22E-04	1.88E-05	1.25E-05
5788	380006.6	3736711	1.26E-04	1.95E-05	1.29E-05
5789	380026.6	3736711	1.31E-04	2.02E-05	1.34E-05
5790	379726.6	3736731	8.26E-05	1.27E-05	8.46E-06
5791	379746.6	3736731	8.50E-05	1.31E-05	8.71E-06
5792	379766.6	3736731	8.75E-05	1.35E-05	8.96E-06
5793	379786.6	3736731	8.99E-05	1.39E-05	9.21E-06
5794	379806.6	3736731	9.21E-05	1.42E-05	9.43E-06
5795	379826.6	3736731	9.41E-05	1.45E-05	9.63E-06
5796	379846.6	3736731	9.64E-05	1.49E-05	9.87E-06
5797	379866.6	3736731	9.92E-05	1.53E-05	1.02E-05
5798	379886.6	3736731	1.03E-04	1.58E-05	1.05E-05
5799	379906.6	3736731	1.06E-04	1.64E-05	1.09E-05
5800	379926.6	3736731	1.10E-04	1.69E-05	1.12E-05
5801	379946.6	3736731	1.13E-04	1.74E-05	1.16E-05
5802	379966.6	3736731	1.17E-04	1.80E-05	1.19E-05
5803	379986.6	3736731	1.20E-04	1.85E-05	1.23E-05
5804	380006.6	3736731	1.24E-04	1.92E-05	1.27E-05
5805	379726.6	3736751	8.18E-05	1.26E-05	8.37E-06
5806	379746.6	3736751	8.41E-05	1.30E-05	8.62E-06
5807	379766.6	3736751	8.66E-05	1.34E-05	8.87E-06
5808	379786.6	3736751	8.90E-05	1.37E-05	9.12E-06
5809	379806.6	3736751	9.13E-05	1.41E-05	9.35E-06
5810	379826.6	3736751	9.31E-05	1.43E-05	9.54E-06
5811	379846.6	3736751	9.54E-05	1.47E-05	9.77E-06
5812	379866.6	3736751	9.81E-05	1.51E-05	1.00E-05
5813	379886.6	3736751	1.02E-04	1.57E-05	1.04E-05
5814	379906.6	3736751	1.05E-04	1.62E-05	1.08E-05
5815	379926.6	3736751	1.09E-04	1.67E-05	1.11E-05
5816	379946.6	3736751	1.12E-04	1.73E-05	1.15E-05
5817	379966.6	3736751	1.15E-04	1.77E-05	1.18E-05
5818	379986.6	3736751	1.19E-04	1.83E-05	1.22E-05
5819	380006.6	3736751	1.23E-04	1.90E-05	1.26E-05
5820	379726.6	3736771	8.09E-05	1.25E-05	8.29E-06
5821	379746.6	3736771	8.32E-05	1.28E-05	8.52E-06

5822	379766.6	3736771	8.57E-05	1.32E-05	8.78E-06
5823	379786.6	3736771	8.81E-05	1.36E-05	9.03E-06
5824	379806.6	3736771	9.05E-05	1.39E-05	9.27E-06
5825	379826.6	3736771	9.22E-05	1.42E-05	9.45E-06
5826	379846.6	3736771	9.43E-05	1.45E-05	9.66E-06
5827	379866.6	3736771	9.69E-05	1.49E-05	9.93E-06
5828	379886.6	3736771	1.00E-04	1.55E-05	1.03E-05
5829	379906.6	3736771	1.04E-04	1.60E-05	1.06E-05
5830	379926.6	3736771	1.07E-04	1.65E-05	1.10E-05
5831	379946.6	3736771	1.11E-04	1.71E-05	1.13E-05
5832	379966.6	3736771	1.14E-04	1.76E-05	1.17E-05
5833	379986.6	3736771	1.18E-04	1.81E-05	1.21E-05
5834	380006.6	3736771	1.22E-04	1.88E-05	1.25E-05
5835	379726.6	3736791	8.04E-05	1.24E-05	8.23E-06
5836	379746.6	3736791	8.26E-05	1.27E-05	8.46E-06
5837	379766.6	3736791	8.50E-05	1.31E-05	8.71E-06
5838	379786.6	3736791	8.73E-05	1.34E-05	8.94E-06
5839	379806.6	3736791	8.95E-05	1.38E-05	9.17E-06
5840	379826.6	3736791	9.17E-05	1.41E-05	9.39E-06
5841	379846.6	3736791	9.37E-05	1.44E-05	9.60E-06
5842	379866.6	3736791	9.62E-05	1.48E-05	9.86E-06
5843	379886.6	3736791	9.96E-05	1.54E-05	1.02E-05
5844	379906.6	3736791	1.03E-04	1.58E-05	1.05E-05
5845	379926.6	3736791	1.06E-04	1.63E-05	1.08E-05
5846	379946.6	3736791	1.09E-04	1.68E-05	1.12E-05
5847	379966.6	3736791	1.13E-04	1.73E-05	1.15E-05
5848	379986.6	3736791	1.16E-04	1.79E-05	1.19E-05
5849	380006.6	3736791	1.21E-04	1.86E-05	1.24E-05
5850	379726.6	3736811	7.98E-05	1.23E-05	8.18E-06
5851	379746.6	3736811	8.19E-05	1.26E-05	8.39E-06
5852	379766.6	3736811	8.42E-05	1.30E-05	8.62E-06
5853	379786.6	3736811	8.64E-05	1.33E-05	8.85E-06
5854	379806.6	3736811	8.85E-05	1.36E-05	9.06E-06
5855	379826.6	3736811	9.07E-05	1.40E-05	9.29E-06
5856	379846.6	3736811	9.29E-05	1.43E-05	9.52E-06
5857	379866.6	3736811	9.54E-05	1.47E-05	9.77E-06
5858	379886.6	3736811	9.86E-05	1.52E-05	1.01E-05
5859	379906.6	3736811	1.02E-04	1.57E-05	1.04E-05
5860	379926.6	3736811	1.04E-04	1.61E-05	1.07E-05
5861	379946.6	3736811	1.07E-04	1.65E-05	1.10E-05
5862	379966.6	3736811	1.11E-04	1.71E-05	1.13E-05
5863	379986.6	3736811	1.15E-04	1.77E-05	1.17E-05
5864	380006.6	3736811	1.19E-04	1.84E-05	1.22E-05
5865	379726.6	3736831	7.92E-05	1.22E-05	8.12E-06
5866	379746.6	3736831	8.12E-05	1.25E-05	8.32E-06
5867	379766.6	3736831	8.35E-05	1.29E-05	8.55E-06
5868	379786.6	3736831	8.53E-05	1.32E-05	8.74E-06

5869	379806.6	3736831	8.74E-05	1.35E-05	8.96E-06
5870	379826.6	3736831	8.95E-05	1.38E-05	9.17E-06
5871	379846.6	3736831	9.19E-05	1.42E-05	9.41E-06
5872	379866.6	3736831	9.45E-05	1.46E-05	9.68E-06
5873	379886.6	3736831	9.74E-05	1.50E-05	9.97E-06
5874	379906.6	3736831	1.00E-04	1.54E-05	1.03E-05
5875	379926.6	3736831	1.03E-04	1.59E-05	1.06E-05
5876	379946.6	3736831	1.06E-04	1.63E-05	1.08E-05
5877	379966.6	3736831	1.09E-04	1.68E-05	1.12E-05
5878	379986.6	3736831	1.13E-04	1.74E-05	1.15E-05
5879	380006.6	3736831	1.17E-04	1.81E-05	1.20E-05
5880	379726.6	3736851	7.82E-05	1.21E-05	8.01E-06
5881	379746.6	3736851	8.01E-05	1.23E-05	8.21E-06
5882	379766.6	3736851	8.20E-05	1.26E-05	8.40E-06
5883	379786.6	3736851	8.40E-05	1.30E-05	8.61E-06
5884	379806.6	3736851	8.62E-05	1.33E-05	8.83E-06
5885	379826.6	3736851	8.84E-05	1.36E-05	9.05E-06
5886	379846.6	3736851	9.07E-05	1.40E-05	9.29E-06
5887	379866.6	3736851	9.33E-05	1.44E-05	9.55E-06
5888	379886.6	3736851	9.59E-05	1.48E-05	9.82E-06
5889	379906.6	3736851	9.89E-05	1.52E-05	1.01E-05
5890	379926.6	3736851	1.02E-04	1.57E-05	1.04E-05
5891	379946.6	3736851	1.04E-04	1.61E-05	1.07E-05
5892	379966.6	3736851	1.07E-04	1.66E-05	1.10E-05
5893	379986.6	3736851	1.11E-04	1.71E-05	1.14E-05
5894	380006.6	3736851	1.15E-04	1.78E-05	1.18E-05
5895	379726.6	3736871	7.70E-05	1.19E-05	7.88E-06
5896	379746.6	3736871	7.88E-05	1.21E-05	8.07E-06
5897	379766.6	3736871	8.06E-05	1.24E-05	8.26E-06
5898	379786.6	3736871	8.27E-05	1.27E-05	8.47E-06
5899	379806.6	3736871	8.49E-05	1.31E-05	8.70E-06
5900	379826.6	3736871	8.73E-05	1.34E-05	8.94E-06
5901	379846.6	3736871	8.96E-05	1.38E-05	9.18E-06
5902	379866.6	3736871	9.21E-05	1.42E-05	9.44E-06
5903	379886.6	3736871	9.47E-05	1.46E-05	9.70E-06
5904	379906.6	3736871	9.75E-05	1.50E-05	9.98E-06
5905	379926.6	3736871	1.00E-04	1.55E-05	1.03E-05
5906	379946.6	3736871	1.03E-04	1.59E-05	1.06E-05
5907	379966.6	3736871	1.06E-04	1.63E-05	1.09E-05
5908	379986.6	3736871	1.09E-04	1.69E-05	1.12E-05
5909	379726.6	3736891	7.58E-05	1.17E-05	7.76E-06
5910	379746.6	3736891	7.74E-05	1.19E-05	7.93E-06
5911	379766.6	3736891	7.92E-05	1.22E-05	8.12E-06
5912	379786.6	3736891	8.13E-05	1.25E-05	8.33E-06
5913	379806.6	3736891	8.35E-05	1.29E-05	8.55E-06
5914	379826.6	3736891	8.60E-05	1.32E-05	8.80E-06
5915	379846.6	3736891	8.86E-05	1.37E-05	9.07E-06

5916	379866.6	3736891	9.11E-05	1.40E-05	9.33E-06
5917	379886.6	3736891	9.34E-05	1.44E-05	9.57E-06
5918	379906.6	3736891	9.62E-05	1.48E-05	9.86E-06
5919	379926.6	3736891	9.91E-05	1.53E-05	1.02E-05
5920	379946.6	3736891	1.02E-04	1.57E-05	1.04E-05
5921	379966.6	3736891	1.05E-04	1.61E-05	1.07E-05
5922	379986.6	3736891	1.08E-04	1.66E-05	1.10E-05
5923	379726.6	3736911	7.48E-05	1.15E-05	7.66E-06
5924	379746.6	3736911	7.64E-05	1.18E-05	7.83E-06
5925	379766.6	3736911	7.82E-05	1.21E-05	8.01E-06
5926	379786.6	3736911	8.02E-05	1.24E-05	8.21E-06
5927	379806.6	3736911	8.24E-05	1.27E-05	8.44E-06
5928	379826.6	3736911	8.46E-05	1.30E-05	8.67E-06
5929	379846.6	3736911	8.73E-05	1.34E-05	8.94E-06
5930	379866.6	3736911	8.99E-05	1.39E-05	9.21E-06
5931	379886.6	3736911	9.22E-05	1.42E-05	9.45E-06
5932	379906.6	3736911	9.48E-05	1.46E-05	9.71E-06
5933	379926.6	3736911	9.74E-05	1.50E-05	9.97E-06
5934	379946.6	3736911	1.00E-04	1.54E-05	1.02E-05
5935	379966.6	3736911	1.03E-04	1.59E-05	1.05E-05
5936	379986.6	3736911	1.06E-04	1.63E-05	1.08E-05
5937	379726.6	3736931	7.37E-05	1.14E-05	7.55E-06
5938	379746.6	3736931	7.54E-05	1.16E-05	7.72E-06
5939	379766.6	3736931	7.72E-05	1.19E-05	7.91E-06
5940	379786.6	3736931	7.92E-05	1.22E-05	8.12E-06
5941	379806.6	3736931	8.13E-05	1.25E-05	8.33E-06
5942	379826.6	3736931	8.36E-05	1.29E-05	8.56E-06
5943	379846.6	3736931	8.60E-05	1.32E-05	8.80E-06
5944	379866.6	3736931	8.84E-05	1.36E-05	9.05E-06
5945	379886.6	3736931	9.07E-05	1.40E-05	9.29E-06
5946	379906.6	3736931	9.31E-05	1.43E-05	9.54E-06
5947	379926.6	3736931	9.56E-05	1.47E-05	9.79E-06
5948	379946.6	3736931	9.84E-05	1.52E-05	1.01E-05
5949	379966.6	3736931	1.01E-04	1.56E-05	1.04E-05
5950	379726.6	3736951	7.27E-05	1.12E-05	7.45E-06
5951	379746.6	3736951	7.43E-05	1.14E-05	7.61E-06
5952	379766.6	3736951	7.63E-05	1.18E-05	7.81E-06
5953	379786.6	3736951	7.84E-05	1.21E-05	8.03E-06
5954	379806.6	3736951	8.05E-05	1.24E-05	8.25E-06
5955	379826.6	3736951	8.26E-05	1.27E-05	8.46E-06
5956	379846.6	3736951	8.46E-05	1.30E-05	8.67E-06
5957	379866.6	3736951	8.67E-05	1.34E-05	8.88E-06
5958	379886.6	3736951	8.89E-05	1.37E-05	9.11E-06
5959	379906.6	3736951	9.12E-05	1.41E-05	9.34E-06
5960	379926.6	3736951	9.38E-05	1.45E-05	9.61E-06
5961	379946.6	3736951	9.68E-05	1.49E-05	9.92E-06
5962	379966.6	3736951	1.00E-04	1.54E-05	1.03E-05

5963	379726.6	3736971	7.15E-05	1.10E-05	7.32E-06
5964	379746.6	3736971	7.30E-05	1.13E-05	7.48E-06
5965	379766.6	3736971	7.51E-05	1.16E-05	7.69E-06
5966	379786.6	3736971	7.72E-05	1.19E-05	7.91E-06
5967	379806.6	3736971	7.94E-05	1.22E-05	8.13E-06
5968	379826.6	3736971	8.14E-05	1.25E-05	8.34E-06
5969	379846.6	3736971	8.32E-05	1.28E-05	8.52E-06
5970	379866.6	3736971	8.51E-05	1.31E-05	8.71E-06
5971	379886.6	3736971	8.73E-05	1.34E-05	8.94E-06
5972	379906.6	3736971	8.95E-05	1.38E-05	9.17E-06
5973	379926.6	3736971	9.21E-05	1.42E-05	9.43E-06
5974	379946.6	3736971	9.52E-05	1.47E-05	9.75E-06
5975	379966.6	3736971	9.88E-05	1.52E-05	1.01E-05
5976	379726.6	3736991	7.03E-05	1.08E-05	7.21E-06
5977	379746.6	3736991	7.18E-05	1.11E-05	7.36E-06
5978	379766.6	3736991	7.37E-05	1.14E-05	7.55E-06
5979	379786.6	3736991	7.58E-05	1.17E-05	7.77E-06
5980	379806.6	3736991	7.79E-05	1.20E-05	7.98E-06
5981	379826.6	3736991	7.99E-05	1.23E-05	8.19E-06
5982	379846.6	3736991	8.17E-05	1.26E-05	8.37E-06
5983	379866.6	3736991	8.36E-05	1.29E-05	8.56E-06
5984	379886.6	3736991	8.56E-05	1.32E-05	8.77E-06
5985	379906.6	3736991	8.78E-05	1.35E-05	8.99E-06
5986	379926.6	3736991	9.02E-05	1.39E-05	9.24E-06
5987	379946.6	3736991	9.34E-05	1.44E-05	9.56E-06
5988	379966.6	3736991	9.69E-05	1.49E-05	9.93E-06
5989	379726.6	3737011	6.92E-05	1.07E-05	7.09E-06
5990	379746.6	3737011	7.06E-05	1.09E-05	7.23E-06
5991	379766.6	3737011	7.24E-05	1.12E-05	7.41E-06
5992	379786.6	3737011	7.43E-05	1.14E-05	7.61E-06
5993	379806.6	3737011	7.63E-05	1.18E-05	7.81E-06
5994	379826.6	3737011	7.83E-05	1.21E-05	8.02E-06
5995	379846.6	3737011	8.02E-05	1.24E-05	8.21E-06
5996	379866.6	3737011	8.22E-05	1.27E-05	8.42E-06
5997	379886.6	3737011	8.39E-05	1.29E-05	8.60E-06
5998	379906.6	3737011	8.60E-05	1.33E-05	8.81E-06
5999	379926.6	3737011	8.84E-05	1.36E-05	9.05E-06
6000	379946.6	3737011	9.14E-05	1.41E-05	9.37E-06
6001	0	0	0.00E+00	0.00E+00	0.00E+00
6002	0	0	0.00E+00	0.00E+00	0.00E+00
6003	0	0	0.00E+00	0.00E+00	0.00E+00
6004	0	0	0.00E+00	0.00E+00	0.00E+00
6005	0	0	0.00E+00	0.00E+00	0.00E+00
6006	0	0	0.00E+00	0.00E+00	0.00E+00
6007	0	0	0.00E+00	0.00E+00	0.00E+00
6008	0	0	0.00E+00	0.00E+00	0.00E+00
6009	0	0	0.00E+00	0.00E+00	0.00E+00

6010	0	0	0.00E+00	0.00E+00	0.00E+00
6011	0	0	0.00E+00	0.00E+00	0.00E+00
6012	0	0	0.00E+00	0.00E+00	0.00E+00
6013	0	0	0.00E+00	0.00E+00	0.00E+00
6014	0	0	0.00E+00	0.00E+00	0.00E+00
6015	0	0	0.00E+00	0.00E+00	0.00E+00
6016	0	0	0.00E+00	0.00E+00	0.00E+00
6017	0	0	0.00E+00	0.00E+00	0.00E+00
6018	0	0	0.00E+00	0.00E+00	0.00E+00
6019	0	0	0.00E+00	0.00E+00	0.00E+00
6020	0	0	0.00E+00	0.00E+00	0.00E+00
6021	0	0	0.00E+00	0.00E+00	0.00E+00
6022	0	0	0.00E+00	0.00E+00	0.00E+00
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6024	0	0	0.00E+00	0.00E+00	0.00E+00
6025	0	0	0.00E+00	0.00E+00	0.00E+00
6026	0	0	0.00E+00	0.00E+00	0.00E+00
6027	0	0	0.00E+00	0.00E+00	0.00E+00
6028	0	0	0.00E+00	0.00E+00	0.00E+00
6029	0	0	0.00E+00	0.00E+00	0.00E+00
6030	0	0	0.00E+00	0.00E+00	0.00E+00
6031	0	0	0.00E+00	0.00E+00	0.00E+00
6032	0	0	0.00E+00	0.00E+00	0.00E+00
6033	0	0	0.00E+00	0.00E+00	0.00E+00
6034	0	0	0.00E+00	0.00E+00	0.00E+00
6035	0	0	0.00E+00	0.00E+00	0.00E+00
6036	0	0	0.00E+00	0.00E+00	0.00E+00
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6043	0	0	0.00E+00	0.00E+00	0.00E+00
6044	0	0	0.00E+00	0.00E+00	0.00E+00
6045	0	0	0.00E+00	0.00E+00	0.00E+00
6046	0	0	0.00E+00	0.00E+00	0.00E+00
6047	0	0	0.00E+00	0.00E+00	0.00E+00
6048	0	0	0.00E+00	0.00E+00	0.00E+00
6049	0	0	0.00E+00	0.00E+00	0.00E+00
6050	0	0	0.00E+00	0.00E+00	0.00E+00
6051	0	0	0.00E+00	0.00E+00	0.00E+00
6052	0	0	0.00E+00	0.00E+00	0.00E+00
6053	0	0	0.00E+00	0.00E+00	0.00E+00
6054	0	0	0.00E+00	0.00E+00	0.00E+00
6055	0	0	0.00E+00	0.00E+00	0.00E+00
6056	0	0	0.00E+00	0.00E+00	0.00E+00

6057	0	0	0.00E+00	0.00E+00	0.00E+00
6058	0	0	0.00E+00	0.00E+00	0.00E+00
6059	0	0	0.00E+00	0.00E+00	0.00E+00
6060	0	0	0.00E+00	0.00E+00	0.00E+00
6061	0	0	0.00E+00	0.00E+00	0.00E+00
6062	0	0	0.00E+00	0.00E+00	0.00E+00
6063	0	0	0.00E+00	0.00E+00	0.00E+00
6064	0	0	0.00E+00	0.00E+00	0.00E+00
6065	0	0	0.00E+00	0.00E+00	0.00E+00
6066	0	0	0.00E+00	0.00E+00	0.00E+00
6067	0	0	0.00E+00	0.00E+00	0.00E+00
6068	0	0	0.00E+00	0.00E+00	0.00E+00
6069	0	0	0.00E+00	0.00E+00	0.00E+00
6070	0	0	0.00E+00	0.00E+00	0.00E+00
6071	0	0	0.00E+00	0.00E+00	0.00E+00
6072	0	0	0.00E+00	0.00E+00	0.00E+00
6073	0	0	0.00E+00	0.00E+00	0.00E+00
6074	0	0	0.00E+00	0.00E+00	0.00E+00
6075	0	0	0.00E+00	0.00E+00	0.00E+00
6076	0	0	0.00E+00	0.00E+00	0.00E+00
6077	0	0	0.00E+00	0.00E+00	0.00E+00
6078	0	0	0.00E+00	0.00E+00	0.00E+00
6079	0	0	0.00E+00	0.00E+00	0.00E+00
6080	0	0	0.00E+00	0.00E+00	0.00E+00
6081	0	0	0.00E+00	0.00E+00	0.00E+00
6082	0	0	0.00E+00	0.00E+00	0.00E+00
6083	0	0	0.00E+00	0.00E+00	0.00E+00
6084	0	0	0.00E+00	0.00E+00	0.00E+00
6085	0	0	0.00E+00	0.00E+00	0.00E+00
6086	0	0	0.00E+00	0.00E+00	0.00E+00
6087	0	0	0.00E+00	0.00E+00	0.00E+00
6088	0	0	0.00E+00	0.00E+00	0.00E+00
6089	0	0	0.00E+00	0.00E+00	0.00E+00
6090	0	0	0.00E+00	0.00E+00	0.00E+00
6091	0	0	0.00E+00	0.00E+00	0.00E+00
6092	0	0	0.00E+00	0.00E+00	0.00E+00
6093	0	0	0.00E+00	0.00E+00	0.00E+00
6094	0	0	0.00E+00	0.00E+00	0.00E+00
6095	0	0	0.00E+00	0.00E+00	0.00E+00
6096	0	0	0.00E+00	0.00E+00	0.00E+00
6097	0	0	0.00E+00	0.00E+00	0.00E+00
6098	0	0	0.00E+00	0.00E+00	0.00E+00
6099	0	0	0.00E+00	0.00E+00	0.00E+00
6100	0	0	0.00E+00	0.00E+00	0.00E+00
6101	0	0	0.00E+00	0.00E+00	0.00E+00
6102	0	0	0.00E+00	0.00E+00	0.00E+00
6103	0	0	0.00E+00	0.00E+00	0.00E+00

6104	0	0	0.00E+00	0.00E+00	0.00E+00
6105	0	0	0.00E+00	0.00E+00	0.00E+00
6106	0	0	0.00E+00	0.00E+00	0.00E+00
6107	0	0	0.00E+00	0.00E+00	0.00E+00
6108	0	0	0.00E+00	0.00E+00	0.00E+00
6109	0	0	0.00E+00	0.00E+00	0.00E+00
6110	0	0	0.00E+00	0.00E+00	0.00E+00
6111	0	0	0.00E+00	0.00E+00	0.00E+00
6112	0	0	0.00E+00	0.00E+00	0.00E+00
6113	0	0	0.00E+00	0.00E+00	0.00E+00
6114	0	0	0.00E+00	0.00E+00	0.00E+00
6115	0	0	0.00E+00	0.00E+00	0.00E+00
6116	0	0	0.00E+00	0.00E+00	0.00E+00
6117	0	0	0.00E+00	0.00E+00	0.00E+00
6118	0	0	0.00E+00	0.00E+00	0.00E+00
6119	0	0	0.00E+00	0.00E+00	0.00E+00
6120	0	0	0.00E+00	0.00E+00	0.00E+00
6121	0	0	0.00E+00	0.00E+00	0.00E+00
6122	0	0	0.00E+00	0.00E+00	0.00E+00
6123	0	0	0.00E+00	0.00E+00	0.00E+00
6124	0	0	0.00E+00	0.00E+00	0.00E+00
6125	0	0	0.00E+00	0.00E+00	0.00E+00
6126	0	0	0.00E+00	0.00E+00	0.00E+00
6127	0	0	0.00E+00	0.00E+00	0.00E+00
6128	0	0	0.00E+00	0.00E+00	0.00E+00
6129	0	0	0.00E+00	0.00E+00	0.00E+00
6130	0	0	0.00E+00	0.00E+00	0.00E+00
6131	0	0	0.00E+00	0.00E+00	0.00E+00
6132	0	0	0.00E+00	0.00E+00	0.00E+00
6133	0	0	0.00E+00	0.00E+00	0.00E+00
6134	0	0	0.00E+00	0.00E+00	0.00E+00
6135	0	0	0.00E+00	0.00E+00	0.00E+00
6136	0	0	0.00E+00	0.00E+00	0.00E+00
6137	0	0	0.00E+00	0.00E+00	0.00E+00
6138	0	0	0.00E+00	0.00E+00	0.00E+00
6139	0	0	0.00E+00	0.00E+00	0.00E+00
6140	0	0	0.00E+00	0.00E+00	0.00E+00
6141	0	0	0.00E+00	0.00E+00	0.00E+00
6142	0	0	0.00E+00	0.00E+00	0.00E+00
6143	0	0	0.00E+00	0.00E+00	0.00E+00
6144	0	0	0.00E+00	0.00E+00	0.00E+00
6145	0	0	0.00E+00	0.00E+00	0.00E+00
6146	0	0	0.00E+00	0.00E+00	0.00E+00
6147	0	0	0.00E+00	0.00E+00	0.00E+00
6148	0	0	0.00E+00	0.00E+00	0.00E+00
6149	0	0	0.00E+00	0.00E+00	0.00E+00
6150	0	0	0.00E+00	0.00E+00	0.00E+00

6151	0	0	0.00E+00	0.00E+00	0.00E+00
6152	0	0	0.00E+00	0.00E+00	0.00E+00
6153	0	0	0.00E+00	0.00E+00	0.00E+00
6154	0	0	0.00E+00	0.00E+00	0.00E+00
6155	0	0	0.00E+00	0.00E+00	0.00E+00
6156	0	0	0.00E+00	0.00E+00	0.00E+00
6157	0	0	0.00E+00	0.00E+00	0.00E+00
6158	0	0	0.00E+00	0.00E+00	0.00E+00
6159	0	0	0.00E+00	0.00E+00	0.00E+00
6160	0	0	0.00E+00	0.00E+00	0.00E+00
6161	0	0	0.00E+00	0.00E+00	0.00E+00
6162	0	0	0.00E+00	0.00E+00	0.00E+00
6163	0	0	0.00E+00	0.00E+00	0.00E+00
6164	0	0	0.00E+00	0.00E+00	0.00E+00
6165	0	0	0.00E+00	0.00E+00	0.00E+00
6166	0	0	0.00E+00	0.00E+00	0.00E+00
6167	0	0	0.00E+00	0.00E+00	0.00E+00
6168	0	0	0.00E+00	0.00E+00	0.00E+00
6169	0	0	0.00E+00	0.00E+00	0.00E+00
6170	0	0	0.00E+00	0.00E+00	0.00E+00
6171	0	0	0.00E+00	0.00E+00	0.00E+00
6172	0	0	0.00E+00	0.00E+00	0.00E+00
6173	0	0	0.00E+00	0.00E+00	0.00E+00
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6380	0	0	0.00E+00	0.00E+00	0.00E+00
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6383	0	0	0.00E+00	0.00E+00	0.00E+00
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			T3		1389			T3L3					T4				
			1385	380763.90	3736238.46												
							5.74E-08					8.84E-09					5.88E-09
			Yr 1	Yr 2	Yr 3	Yr 4	Total	Yr 1	Yr 2	Yr 3	Yr 4	Total	Yr 1	Yr 2	Yr 3	Yr 4	Total
1	381726.08	3737269.37	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09	2.51E-10	0.00E+00	0.00E+00	0.00E+00	2.51E-10	1.67E-10	0.00E+00	0.00E+00	0.00E+00	1.67E-10
2	381756.08	3737269.37	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09	2.23E-10	0.00E+00	0.00E+00	0.00E+00	2.23E-10	1.48E-10	0.00E+00	0.00E+00	0.00E+00	1.48E-10
3	381786.08	3737269.37	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09	1.99E-10	0.00E+00	0.00E+00	0.00E+00	1.99E-10	1.32E-10	0.00E+00	0.00E+00	0.00E+00	1.32E-10
4	381816.08	3737269.37	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09	1.79E-10	0.00E+00	0.00E+00	0.00E+00	1.79E-10	1.19E-10	0.00E+00	0.00E+00	0.00E+00	1.19E-10
5	381846.08	3737269.37	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09	1.62E-10	0.00E+00	0.00E+00	0.00E+00	1.62E-10	1.08E-10	0.00E+00	0.00E+00	0.00E+00	1.08E-10
6	381876.08	3737269.37	9.55E-10	0.00E+00	0.00E+00	0.00E+00	9.55E-10	1.47E-10	0.00E+00	0.00E+00	0.00E+00	1.47E-10	9.79E-11	0.00E+00	0.00E+00	0.00E+00	9.79E-11
7	381906.08	3737269.37	8.73E-10	0.00E+00	0.00E+00	0.00E+00	8.73E-10	1.35E-10	0.00E+00	0.00E+00	0.00E+00	1.35E-10	8.94E-11	0.00E+00	0.00E+00	0.00E+00	8.94E-11
8	381936.08	3737269.37	8.01E-10	0.00E+00	0.00E+00	0.00E+00	8.01E-10	1.23E-10	0.00E+00	0.00E+00	0.00E+00	1.23E-10	8.21E-11	0.00E+00	0.00E+00	0.00E+00	8.21E-11
9	381966.08	3737269.37	7.38E-10	0.00E+00	0.00E+00	0.00E+00	7.38E-10	1.14E-10	0.00E+00	0.00E+00	0.00E+00	1.14E-10	7.56E-11	0.00E+00	0.00E+00	0.00E+00	7.56E-11
10	381996.08	3737269.37	6.82E-10	0.00E+00	0.00E+00	0.00E+00	6.82E-10	1.05E-10	0.00E+00	0.00E+00	0.00E+00	1.05E-10	6.99E-11	0.00E+00	0.00E+00	0.00E+00	6.99E-11
11	382026.08	3737269.37	6.33E-10	0.00E+00	0.00E+00	0.00E+00	6.33E-10	9.76E-11	0.00E+00	0.00E+00	0.00E+00	9.76E-11	6.48E-11	0.00E+00	0.00E+00	0.00E+00	6.48E-11
12	382056.08	3737269.37	5.89E-10	0.00E+00	0.00E+00	0.00E+00	5.89E-10	9.08E-11	0.00E+00	0.00E+00	0.00E+00	9.08E-11	6.03E-11	0.00E+00	0.00E+00	0.00E+00	6.03E-11
13	382086.08	3737269.37	5.50E-10	0.00E+00	0.00E+00	0.00E+00	5.50E-10	8.47E-11	0.00E+00	0.00E+00	0.00E+00	8.47E-11	5.63E-11	0.00E+00	0.00E+00	0.00E+00	5.63E-11
14	382116.08	3737269.37	5.15E-10	0.00E+00	0.00E+00	0.00E+00	5.15E-10	7.93E-11	0.00E+00	0.00E+00	0.00E+00	7.93E-11	5.27E-11	0.00E+00	0.00E+00	0.00E+00	5.27E-11
15	382146.08	3737269.37	4.83E-10	0.00E+00	0.00E+00	0.00E+00	4.83E-10	7.44E-11	0.00E+00	0.00E+00	0.00E+00	7.44E-11	4.94E-11	0.00E+00	0.00E+00	0.00E+00	4.94E-11
16	382176.08	3737269.37	4.54E-10	0.00E+00	0.00E+00	0.00E+00	4.54E-10	7.00E-11	0.00E+00	0.00E+00	0.00E+00	7.00E-11	4.65E-11	0.00E+00	0.00E+00	0.00E+00	4.65E-11
17	382206.08	3737269.37	4.28E-10	0.00E+00	0.00E+00	0.00E+00	4.28E-10	6.59E-11	0.00E+00	0.00E+00	0.00E+00	6.59E-11	4.38E-11	0.00E+00	0.00E+00	0.00E+00	4.38E-11
18	382236.08	3737269.37	4.04E-10	0.00E+00	0.00E+00	0.00E+00	4.04E-10	6.23E-11	0.00E+00	0.00E+00	0.00E+00	6.23E-11	4.14E-11	0.00E+00	0.00E+00	0.00E+00	4.14E-11
19	382266.08	3737269.37	3.83E-10	0.00E+00	0.00E+00	0.00E+00	3.83E-10	5.90E-11	0.00E+00	0.00E+00	0.00E+00	5.90E-11	3.92E-11	0.00E+00	0.00E+00	0.00E+00	3.92E-11
20	382296.08	3737269.37	3.63E-10	0.00E+00	0.00E+00	0.00E+00	3.63E-10	5.60E-11	0.00E+00	0.00E+00	0.00E+00	5.60E-11	3.72E-11	0.00E+00	0.00E+00	0.00E+00	3.72E-11
21	382326.08	3737269.37	3.45E-10	0.00E+00	0.00E+00	0.00E+00	3.45E-10	5.32E-11	0.00E+00	0.00E+00	0.00E+00	5.32E-11	3.54E-11	0.00E+00	0.00E+00	0.00E+00	3.54E-11
22	381726.08	3737284.44	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09	2.52E-10	0.00E+00	0.00E+00	0.00E+00	2.52E-10	1.67E-10	0.00E+00	0.00E+00	0.00E+00	1.67E-10
23	381756.08	3737284.44	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09	2.23E-10	0.00E+00	0.00E+00	0.00E+00	2.23E-10	1.48E-10	0.00E+00	0.00E+00	0.00E+00	1.48E-10
24	381786.08	3737284.44	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09	2.00E-10	0.00E+00	0.00E+00	0.00E+00	2.00E-10	1.33E-10	0.00E+00	0.00E+00	0.00E+00	1.33E-10
25	381816.08	3737284.44	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09	1.79E-10	0.00E+00	0.00E+00	0.00E+00	1.79E-10	1.19E-10	0.00E+00	0.00E+00	0.00E+00	1.19E-10
26	381846.08	3737284.44	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09	1.62E-10	0.00E+00	0.00E+00	0.00E+00	1.62E-10	1.08E-10	0.00E+00	0.00E+00	0.00E+00	1.08E-10
27	381876.08	3737284.44	9.58E-10	0.00E+00	0.00E+00	0.00E+00	9.58E-10	1.48E-10	0.00E+00	0.00E+00	0.00E+00	1.48E-10	9.81E-11	0.00E+00	0.00E+00	0.00E+00	9.81E-11
28	381906.08	3737284.44	8.75E-10	0.00E+00	0.00E+00	0.00E+00	8.75E-10	1.35E-10	0.00E+00	0.00E+00	0.00E+00	1.35E-10	8.96E-11	0.00E+00	0.00E+00	0.00E+00	8.96E-11
29	381936.08	3737284.44	8.03E-10	0.00E+00	0.00E+00	0.00E+00	8.03E-10	1.24E-10	0.00E+00	0.00E+00	0.00E+00	1.24E-10	8.22E-11	0.00E+00	0.00E+00	0.00E+00	8.22E-11
30	381966.08	3737284.44	7.39E-10	0.00E+00	0.00E+00	0.00E+00	7.39E-10	1.14E-10	0.00E+00	0.00E+00	0.00E+00	1.14E-10	7.57E-11	0.00E+00	0.00E+00	0.00E+00	7.57E-11
31	381996.08	3737284.44	6.83E-10	0.00E+00	0.00E+00	0.00E+00	6.83E-10	1.05E-10	0.00E+00	0.00E+00	0.00E+00	1.05E-10	7.00E-11	0.00E+00	0.00E+00	0.00E+00	7.00E-11
32	382026.08	3737284.44	6.34E-10	0.00E+00	0.00E+00	0.00E+00	6.34E-10	9.77E-11	0.00E+00	0.00E+00	0.00E+00	9.77E-11	6.49E-11	0.00E+00	0.00E+00	0.00E+00	6.49E-11
33	382056.08	3737284.44	5.90E-10	0.00E+00	0.00E+00	0.00E+00	5.90E-10	9.09E-11	0.00E+00	0.00E+00	0.00E+00	9.09E-11	6.04E-11	0.00E+00	0.00E+00	0.00E+00	6.04E-11
34	382086.08	3737284.44	5.50E-10	0.00E+00	0.00E+00	0.00E+00	5.50E-10	8.48E-11	0.00E+00	0.00E+00	0.00E+00	8.48E-11	5.63E-11	0.00E+00	0.00E+00	0.00E+00	5.63E-11
35	382116.08	3737284.44	5.15E-10	0.00E+00	0.00E+00	0.00E+00	5.15E-10	7.93E-11	0.00E+00	0.00E+00	0.00E+00	7.93E-11	5.27E-11	0.00E+00	0.00E+00	0.00E+00	5.27E-11
36	382146.08	3737284.44	4.83E-10	0.00E+00	0.00E+00	0.00E+00	4.83E-10	7.44E-11	0.00E+00	0.00E+00	0.00E+00	7.44E-11	4.94E-11	0.00E+00	0.00E+00	0.00E+00	4.94E-11
37	382176.08	3737284.44	4.54E-10	0.00E+00	0.00E+00	0.00E+00	4.54E-10	6.99E-11	0.00E+00	0.00E+00	0.00E+00	6.99E-11	4.65E-11	0.00E+00	0.00E+00	0.00E+00	4.65E-11
38	382206.08	3737284.44	4.28E-10	0.00E+00	0.00E+00	0.00E+00	4.28E-10	6.59E-11	0.00E+00	0.00E+00	0.00E+00	6.59E-11	4.38E-11	0.00E+00	0.00E+00	0.00E+00	4.38E-11
39	382236.08	3737284.44	4.04E-10	0.00E+00	0.00E+00	0.00E+00	4.04E-10	6.22E-11	0.00E+00	0.00E+00	0.00E+00	6.22E-11	4.14E-11	0.00E+00	0.00E+00	0.00E+00	4.14E-11
40	382266.08	3737284.44	3.82E-10	0.00E+00	0.00E+00	0.00E+00	3.82E-10	5.89E-11	0.00E+00	0.00E+00	0.00E+00	5.89E-11	3.91E-11	0.00E+00	0.00E+00	0.00E+00	3.91E-11
41	382296.08	3737284.44	3.62E-10	0.00E+00	0.00E+00	0.00E+00	3.62E-10	5.58E-11	0.00E+00	0.00E+00	0.00E+00	5.58E-11	3.71E-11	0.00E+00	0.00E+00	0.00E+00	3.71E-11
42	382326.08	3737284.44	3.44E-10	0.00E+00	0.00E+00	0.00E+00	3.44E-10	5.31E-11	0.00E+00	0.00E+00	0.00E+00	5.31E-11	3.53E-11	0.00E+00	0.00E+00	0.00E+00	3.53E-11
43	381726.08	3737299.51	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09	2.53E-10	0.00E+00	0.00E+00	0.00E+00	2.53E-10	1.68E-10	0.00E+00	0.00E+00	0.00E+00	1.68E-10
44	381756.08	3737299.51	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09	2.24E-10	0.00E+00	0.00E+00	0.00E+00	2.24E-10	1.49E-10	0.00E+00	0.00E+00	0.00E+00	1.49E-10
45	381786.08	3737299.51	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09	2.00E-10	0.00E+00	0.00E+00	0.00E+00	2.00E-10	1.33E-10	0.00E+00	0.00E+00	0.00E+00	1.33E-10
46	381816.08	3737299.51	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09	1.80E-10	0.00E+00	0.00E+00	0.00E+00	1.80E-10	1.20E-10	0.00E+00	0.00E+00	0.00E+00	1.20E-10
47	381846.08	3737299.51	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09	1.63E-10	0.00E+00	0.00E+00	0.00E+00	1.63E-10	1.08E-10	0.00E+00	0.00E+00	0.00E+00	1.08E-10
48	381876.08	3737299.51	9.60E-10	0.00E+00	0.00E+00	0.00E+00	9.60E-10	1.48E-10	0.00E+00	0.00E+00	0.00E+00	1.48E-10	9.84E-11	0.00E+00	0.00E+00	0.00E+00	9.84E-11
49	381906.08	3737299.51	8.78E-10	0.00E+00	0.00E+00	0.00E+00	8.78E-10	1.35E-10	0.00E+00	0.00E+00	0.00E+00	1.35E-10	8.99E-11	0.00E+00	0.00E+00	0.00E+00	8.99E-11
50	381936.08	3737299.51	8.05E-10	0.00E+00	0.00E+00	0.00E+00	8.05E-10	1.24E-10	0.00E+00	0.00E+00	0.00E+00	1.24E-10	8.24E-11	0.00E+00	0.00E+00	0.00E+00	8.24E-11
51	381966.08	3737299.51	7.41E-10	0.00E+00	0.00E+00	0.00E+00	7.41E-10	1.14E-10	0.00E+00	0.00E+00	0.00E+00	1.14E-10	7.59E-11	0.00E+00	0.00E+00	0.00E+00	7.59E-11
52	381996.08	3737299.51	6.85E-10	0.00E+00	0.00E+00	0.00E+00	6.85E-10	1.06E-10	0.00E+00	0.00E+00	0.00E+00	1.06E-10	7.01E-11	0.00E+00	0.00E+00	0.00E+00	7.01E-11
53	382026.08	3737299.51	6.35E-10	0.00E+00	0.00E+00	0.00E+00	6.35E-10	9.78E-11	0.00E+00	0.00E+00	0.00E+00	9.78E-11	6.50E-11	0.00E+00	0.00E+00	0.00E+00	6.50E-11
54	382056.08	3737299.51	5.90E-10	0.00E+00	0.00E+00	0.00E+00	5.90E-10	9.10E-11	0.00E+00	0.00E+00	0.00E+00	9.10E-11	6.05E-11	0.00E+00	0.00E+00	0.00E+00	6.05E-11
55	382086.08	3737299.51	5.51E-10	0.00E+00	0.00E+00	0.00E+00	5.51E-10	8.49E-11	0.00E+00	0.00E+00	0.00E+00	8.49E-11	5.64E-11	0.00E+00	0.00E+00	0.00E+00	5.64E-11
56	382116.08	3737299.51	5.15E-10	0.00E+00	0.00E+00	0.00E+00	5.15E-10	7.94E-11	0.00E+00	0.00E+00	0.00E+00	7.94E-11	5.27E-11	0.00E+00	0.00E+00	0.00E+00	5.27E-11
57	382146.08	3737299.51	4.83E-10	0.00E+00	0.00E+00	0.00E+00	4.83E-10	7.44E-11	0.00E+00	0.00E+00	0.00E+00	7.44E-11	4.94E-11	0.00E+00	0.00E+00	0.00E+00	4.94E-11
58	382176.08	3737299.51	4.54E-10	0.00E+00	0.00E+00	0.00E+00	4.54E-10	6.99E-11	0.00E+00	0.00E+00	0.00E+00	6.99E-11	4.65E-11	0.00E+00	0.00E+00	0.00E+00	4.65E-11
59	382206.08	3737299.51	4.27E-10	0.00E+00	0.00E+00	0.00E+00	4.27E-10	6.59E-11	0.00E+00	0.00E+00	0.00E+00	6.59E-11	4.38E-11	0.00E+00	0.00E+00	0.00E+00	4.38E-11
60	382236.08	3737299.51	4.04E-10	0.00E+00	0.00E+00	0.00E+00	4.04E-10	6.22E-11	0.00E+00	0.00E+00	0.00E+00	6.22E-11	4.13E-11	0.00E+00	0.00E+00	0.00E+00	4.13E-11
61	382266.08	3737299.51	3.82E-10	0.00E+00	0.00E+00	0.00E+00	3.82E-10	5.88E-11	0.00E+00	0.00E+00	0.00E+00	5.88E-11	3.91E-11	0.00E+00	0.00E+00	0.00E+00	3.91E-11
62	382296.08	3737299.51	3.62E-10	0.00E+00	0.00E+00	0.00E+00	3.62E-10	5.58E-11	0.00E+00	0.00E+00	0.00E+00	5.58E-11	3.71E-11	0.00E+00	0.00E+00	0.00E+00	3.71E-11
63	382326.08	3737299.51	3.44E-10	0.00E+00	0.00E+00	0.00E+00	3.44E-10	5.30E-11	0.00E+00	0.00E+00	0.00E+00	5.30E-11	3.52E-11	0.00E+00	0.00E+00	0.00E+00	3.52E-11
64	381726.08	3737314.58	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09	2.53E-10	0.00E+00	0.00E+00	0.00E+00	2.53E-10	1.68E-10	0.00E+00	0.00E+00	0.00E+00	1.68E-10
65	381756.08	3737314.58	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09	2.25E-10	0.00E+00	0.00E+00	0.00E+00	2.25E-10	1.49E-10	0.00E+00	0.00E+00	0.00E+00	1.49E-10
66	381786.08	3737314.58	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09	2.01E-10	0.00E+00	0.00E+00	0.00E+00	2.01E-10	1.33E-10	0.00E+00	0.00E+00	0.00E+00	1.33E-10
67	381816.08	3737314.58	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09	1.81E-10	0.00E+00	0.00E+00	0.00E+00	1.81E-10	1.20E-10	0.00E+00	0.00E+00	0.00E+00	1.20E-10
68	381846.08	3737314.58	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09	1.63E-10	0.00E+00	0.00E+00	0.00E+00	1.63E-10	1.09E-10	0.00E+00	0.00E+00	0.00E+00	1.09E-10
69	381876.08	3737314.58	9.63E-10	0.00E+00	0.00E+00	0.00E+00	9.63E-10	1.48E-10	0.00E+00	0.00E+00	0.00E+00	1.48E-10	9.87E-11	0.00E+00	0.00E+00	0.00E+00	9.87E-11
70	381906.08	3737314.58	8.80E-10	0.00E+00	0.00E+00	0.00E+00	8.80E-10	1.36E-10	0.00E+00	0.00E+00	0.00E+00	1.36E-10	9.02E-11	0.00E+00	0.00E+00	0.00E+00	9.02E-11
71	381936.08	3737314.58	8.07E-10	0.00E+00	0.00E+00	0.00E+00	8.07E-10	1.24E-10	0.00E+00	0.00E+00	0.00E+00	1.24E-10	8.27E-11	0.00E+00	0.00E+00	0.00E+00	8.27E-11
72	381966.08	3737314.58	7.43E-10	0.00E+00	0.00E+00	0.00E+00	7.43E-10	1.15E-10	0.00E+00	0.00E+00	0.00E+00	1.15E-10	7.61E-11	0.00E+00	0.00E+00	0.00E+00	7.61E-11
73	381996.08	3737314.58	6.87E-10	0.00E+00	0.00E+00	0.00E+00	6.87E-10	1.06E-10	0.00E+00	0.00E+00	0.00E+00	1.06E-10	7.03E-11	0.00E+00	0.00E+00	0.00E+00	7.03E-11
74	382026.08	3737314.58	6.36E-10	0.00E+00	0.00E+00	0.00E+00	6.36E-10	9.81E-11	0.00E+00	0.00E+00	0.00E+00	9.81E-11	6.52E-11	0.00E+00	0.00E+00	0.00E+00	6.52E-11
75	382056.08	3737314.58	5.92E-10	0.00E+00	0.00E+00	0.00E+00	5.92E-10	9.12E-11	0.00E+00	0.00E+00	0.00E+00	9.12E-11	6.06E-11	0.00E+00	0.00E+00	0.00E+00	6.06E-11
76	382086.08	3737314.58	5.52E-10	0.00E+00	0.00E+00	0.00E+00	5.52E-10	8.50E-11	0.00E+00	0.00E+00	0.00E+00	8.50E-11	5.65E-11	0.00E+00	0.00E+00	0.00E+00	5.65E-11
77	382116.08	3737314.58	5.16E-10	0.00E+00	0.00E+00	0.00E+00	5.16E-10	7.95E-11	0.00E+00	0.00E+00	0.00E+00	7.95E-11	5.28E-11	0.00E+00	0.00E+00	0.00E+00	5.28E-11
78	382146.08	3737314.58	4.83E-10	0.00E+00	0.00E+00	0.00E+00	4.83E-10	7.45E-11	0.00E+00	0.00E+00	0.00E+00	7.45E-11	4.95E-11	0.00E+00	0.00E+00	0.00E+00	4.95E-11
79	382176.08	3737314.58	4.54E-10	0.00E+00	0.00E+00	0.00E+00	4.54E-10	7.00E-11	0.00E+00	0.00E+00	0.00E+00	7.00E-11	4.65E-11	0.00E+00	0.00E+00	0.00E+00	4.65E-11
80	382206.08	3737314.58	4.28E-10	0.00E+00	0.00E+00	0.00E+00	4.28E-10	6.59E-11	0.00E+00	0.00E+00	0.00E+00	6.59E-11	4.38E-11	0.00E+00	0.00E+00	0.00E+00	4.38E-11
81	382236.08	3737314.58	4.04E-10	0.00E+00	0.00E+00	0.00E+00	4.04E-10	6.22E-11	0.00E+00	0.00E+00	0.00E+00	6.22E-11	4.13E-11	0.00E+00	0.00E+00	0.00E+00	4.13E-11
82	382266.08	3737314.58	3.82E-10	0.00E+00	0.00E+00	0.00E+00	3.82E-10	5.88E-11	0.00E+00	0.00E+00	0.00E+00	5.88E-11	3.91E-11	0.00E+00	0.00E+00	0.00E+00	3.91E-11
83	382296.08	3737314.58	3.62E-10	0.00E+00	0.00E+00	0.00E+00	3.62E-10	5.57E-11	0.00E+00	0.00E+00	0.00E+00	5.57E-11	3.70E-11	0.00E+00	0.00E+00	0.00E+00	3.70E-11
84	382326.08	3737314.58	3.43E-10	0.00E+00	0.00E+00	0.00E+00	3.43E-10	5.29E-11	0.00E+00	0.00E+00	0.00E+00	5.29E-11	3.52E-11	0.00E+00	0.00E+00	0.00E+00	3.52E-11
85	381726.08	3737329.65	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09	2.54E-10	0.00E+00	0.00E+00	0.00E+00	2.54E-10	1.69E-10	0.00E+00	0.00E+00	0.00E+00	1.69E-10
86	381756.08	3737329.65	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09	2.25E-10	0.00E+00	0.00E+00	0.00E+00	2.25E-10	1.50E-10	0.00E+00	0.00E+00	0.00E+00	1.50E-10
87	381786.08	3737329.65	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09	2.01E-10	0.00E+00	0.00E+00	0.00E+00	2.01E-10	1.34E-10	0.00E+00	0.00E+00	0.00E+00	1.34E-10
88	381816.08	3737329.65	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09	1.81E-10	0.00E+00	0.00E+00	0.00E+00	1.81E-10	1.20E-10	0.00E+00	0.00E+00	0.00E+00	1.20E-10
89	381846.08	3737329.65	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09	1.64E-10	0.00E+00	0.00E+00	0.00E+00	1.64E-10	1.09E-10	0.00E+00	0.00E+00	0.00E+00	1.09E-10
90	381876.08	3737329.65	9.67E-10	0.00E+00	0.00E+00	0.00E+00	9.67E-10	1.49E-10	0.00E+00	0.00E+00	0.00E+00	1.49E-10	9.90E-11	0.00E+00	0.00E+00	0.00E+00	9.90E-11
91	381906.08	3737329.65	8.83E-10	0.00E+00	0.00E+00	0.00E+00	8.83E-10	1.36E-10	0.00E+00	0.00E+00	0.00E+00	1.36E-10	9.04E-11	0.00E+00	0.00E+00	0.00E+00	9.04E-11
92	381936.08	3737329.65	8.10E-10	0.00E+00	0.00E+00	0.00E+00	8.10E-10	1.25E-10	0.00E+00	0.00E+00	0.00E+00	1.25E-10	8.29E-11	0.00E+00	0.00E+00	0.00E+00	8.29E-11
93	381966.08	3737329.65	7.45E-10	0.00E+00	0.00E+00	0.00E+00	7.45E-10	1.15E-10	0.00E+00	0.00E+00	0.00E+00	1.15E-10	7.63E-11	0.00E+00	0.00E+00	0.00E+00	7.63E-11
94	381996.08	3737329.65	6.88E-10	0.00E+00	0.00E+00	0.00E+00	6.88E-10	1.06E-10	0.00E+00	0.00E+00	0.00E+00	1.06E-10	7.05E-11	0.00E+00	0.00E+00	0.00E+00	7.05E-11
95	382026.08	3737329.65	6.38E-10	0.00E+00	0.00E+00	0.00E+00	6.38E-10	9.83E-11	0.00E+00	0.00E+00	0.00E+00	9.83E-11	6.53E-11	0.00E+00	0.00E+00	0.00E+00	6.53E-11
96	382056.08	3737329.65	5.93E-10	0.00E+00	0.00E+00	0.00E+00	5.93E-10	9.14E-11	0.00E+00	0.00E+00	0.00E+00	9.14E-11	6.08E-11	0.00E+00	0.00E+00	0.00E+00	6.08E-11
97	382086.08	3737329.65	5.53E-10	0.00E+00	0.00E+00	0.00E+00	5.53E-10	8.52E-11	0.00E+00	0.00E+00	0.00E+00	8.52E-11	5.66E-11	0.00E+00	0.00E+00	0.00E+00	5.66E-11
98	382116.08	3737329.65	5.17E-10	0.00E+00	0.00E+00	0.00E+00	5.17E-10	7.96E-11	0.00E+00	0.00E+00	0.00E+00	7.96E-11	5.29E-11	0.00E+00	0.00E+00	0.00E+00	5.29E-11
99	382146.08	3737329.65	4.84E-10	0.00E+00	0.00E+00	0.00E+00	4.84E-10	7.47E-11	0.00E+00	0.00E+00	0.00E+00	7.47E-11	4.96E-11	0.00E+00	0.00E+00	0.00E+00	4.96E-11
100	382176.08	3737329.65	4.55E-10	0.00E+00	0.00E+00	0.00E+00	4.55E-10	7.01E-11	0.00E+00	0.00E+00	0.00E+00	7.01E-11	4.66E-11	0.00E+00	0.00E+00	0.00E+00	4.66E-11
101	382206.08	3737329.65	4.28E-10	0.00E+00	0.00E+00	0.00E+00	4.28E-10	6.60E-11	0.00E+00	0.00E+00	0.00E+00	6.60E-11	4.38E-11	0.00E+00	0.00E+00	0.00E+00	4.38E-11
102	382236.08	3737329.65	4.04E-10	0.00E+00	0.00E+00	0.00E+00	4.04E-10	6.23E-11	0.00E+00	0.00E+00	0.00E+00	6.23E-11	4.14E-11	0.00E+00	0.00E+00	0.00E+00	4.14E-11
103	382266.08	3737329.65	3.82E-10	0.00E+00	0.00E+00	0.00E+00	3.82E-10	5.89E-11	0.00E+00	0.00E+00	0.00E+00	5.89E-11	3.91E-11	0.00E+00	0.00E+00	0.00E+00	3.91E-11

104	382296.08	3737329.65	3.62E-10	0.00E+00	0.00E+00	0.00E+00	3.62E-10	5.57E-11	0.00E+00	0.00E+00	0.00E+00	5.57E-11	3.70E-11	0.00E+00	0.00E+00	0.00E+00	3.70E-11
105	382326.08	3737329.65	3.43E-10	0.00E+00	0.00E+00	0.00E+00	3.43E-10	5.29E-11	0.00E+00	0.00E+00	0.00E+00	5.29E-11	3.51E-11	0.00E+00	0.00E+00	0.00E+00	3.51E-11
106	381726.08	3737344.72	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09	2.55E-10	0.00E+00	0.00E+00	0.00E+00	2.55E-10	1.69E-10	0.00E+00	0.00E+00	0.00E+00	1.69E-10
107	381756.08	3737344.72	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09	2.26E-10	0.00E+00	0.00E+00	0.00E+00	2.26E-10	1.50E-10	0.00E+00	0.00E+00	0.00E+00	1.50E-10
108	381786.08	3737344.72	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09	2.02E-10	0.00E+00	0.00E+00	0.00E+00	2.02E-10	1.34E-10	0.00E+00	0.00E+00	0.00E+00	1.34E-10
109	381816.08	3737344.72	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09	1.82E-10	0.00E+00	0.00E+00	0.00E+00	1.82E-10	1.21E-10	0.00E+00	0.00E+00	0.00E+00	1.21E-10
110	381846.08	3737344.72	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09	1.64E-10	0.00E+00	0.00E+00	0.00E+00	1.64E-10	1.09E-10	0.00E+00	0.00E+00	0.00E+00	1.09E-10
111	381876.08	3737344.72	9.70E-10	0.00E+00	0.00E+00	0.00E+00	9.70E-10	1.49E-10	0.00E+00	0.00E+00	0.00E+00	1.49E-10	9.93E-11	0.00E+00	0.00E+00	0.00E+00	9.93E-11
112	381906.08	3737344.72	8.86E-10	0.00E+00	0.00E+00	0.00E+00	8.86E-10	1.37E-10	0.00E+00	0.00E+00	0.00E+00	1.37E-10	9.07E-11	0.00E+00	0.00E+00	0.00E+00	9.07E-11
113	381936.08	3737344.72	8.12E-10	0.00E+00	0.00E+00	0.00E+00	8.12E-10	1.25E-10	0.00E+00	0.00E+00	0.00E+00	1.25E-10	8.32E-11	0.00E+00	0.00E+00	0.00E+00	8.32E-11
114	381966.08	3737344.72	7.48E-10	0.00E+00	0.00E+00	0.00E+00	7.48E-10	1.15E-10	0.00E+00	0.00E+00	0.00E+00	1.15E-10	7.66E-11	0.00E+00	0.00E+00	0.00E+00	7.66E-11
115	381996.08	3737344.72	6.90E-10	0.00E+00	0.00E+00	0.00E+00	6.90E-10	1.06E-10	0.00E+00	0.00E+00	0.00E+00	1.06E-10	7.07E-11	0.00E+00	0.00E+00	0.00E+00	7.07E-11
116	382026.08	3737344.72	6.40E-10	0.00E+00	0.00E+00	0.00E+00	6.40E-10	9.86E-11	0.00E+00	0.00E+00	0.00E+00	9.86E-11	6.55E-11	0.00E+00	0.00E+00	0.00E+00	6.55E-11
117	382056.08	3737344.72	5.95E-10	0.00E+00	0.00E+00	0.00E+00	5.95E-10	9.17E-11	0.00E+00	0.00E+00	0.00E+00	9.17E-11	6.09E-11	0.00E+00	0.00E+00	0.00E+00	6.09E-11
118	382086.08	3737344.72	5.54E-10	0.00E+00	0.00E+00	0.00E+00	5.54E-10	8.54E-11	0.00E+00	0.00E+00	0.00E+00	8.54E-11	5.68E-11	0.00E+00	0.00E+00	0.00E+00	5.68E-11
119	382116.08	3737344.72	5.18E-10	0.00E+00	0.00E+00	0.00E+00	5.18E-10	7.98E-11	0.00E+00	0.00E+00	0.00E+00	7.98E-11	5.30E-11	0.00E+00	0.00E+00	0.00E+00	5.30E-11
120	382146.08	3737344.72	4.85E-10	0.00E+00	0.00E+00	0.00E+00	4.85E-10	7.48E-11	0.00E+00	0.00E+00	0.00E+00	7.48E-11	4.97E-11	0.00E+00	0.00E+00	0.00E+00	4.97E-11
121	382176.08	3737344.72	4.56E-10	0.00E+00	0.00E+00	0.00E+00	4.56E-10	7.02E-11	0.00E+00	0.00E+00	0.00E+00	7.02E-11	4.67E-11	0.00E+00	0.00E+00	0.00E+00	4.67E-11
122	382206.08	3737344.72	4.29E-10	0.00E+00	0.00E+00	0.00E+00	4.29E-10	6.61E-11	0.00E+00	0.00E+00	0.00E+00	6.61E-11	4.39E-11	0.00E+00	0.00E+00	0.00E+00	4.39E-11
123	382236.08	3737344.72	4.04E-10	0.00E+00	0.00E+00	0.00E+00	4.04E-10	6.23E-11	0.00E+00	0.00E+00	0.00E+00	6.23E-11	4.14E-11	0.00E+00	0.00E+00	0.00E+00	4.14E-11
124	382266.08	3737344.72	3.82E-10	0.00E+00	0.00E+00	0.00E+00	3.82E-10	5.89E-11	0.00E+00	0.00E+00	0.00E+00	5.89E-11	3.91E-11	0.00E+00	0.00E+00	0.00E+00	3.91E-11
125	382296.08	3737344.72	3.62E-10	0.00E+00	0.00E+00	0.00E+00	3.62E-10	5.58E-11	0.00E+00	0.00E+00	0.00E+00	5.58E-11	3.71E-11	0.00E+00	0.00E+00	0.00E+00	3.71E-11
126	382326.08	3737344.72	3.43E-10	0.00E+00	0.00E+00	0.00E+00	3.43E-10	5.29E-11	0.00E+00	0.00E+00	0.00E+00	5.29E-11	3.51E-11	0.00E+00	0.00E+00	0.00E+00	3.51E-11
127	381726.08	3737359.79	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09	2.55E-10	0.00E+00	0.00E+00	0.00E+00	2.55E-10	1.70E-10	0.00E+00	0.00E+00	0.00E+00	1.70E-10
128	381756.08	3737359.79	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09	2.26E-10	0.00E+00	0.00E+00	0.00E+00	2.26E-10	1.50E-10	0.00E+00	0.00E+00	0.00E+00	1.50E-10
129	381786.08	3737359.79	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09	2.02E-10	0.00E+00	0.00E+00	0.00E+00	2.02E-10	1.35E-10	0.00E+00	0.00E+00	0.00E+00	1.35E-10
130	381816.08	3737359.79	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09	1.82E-10	0.00E+00	0.00E+00	0.00E+00	1.82E-10	1.21E-10	0.00E+00	0.00E+00	0.00E+00	1.21E-10
131	381846.08	3737359.79	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09	1.65E-10	0.00E+00	0.00E+00	0.00E+00	1.65E-10	1.10E-10	0.00E+00	0.00E+00	0.00E+00	1.10E-10
132	381876.08	3737359.79	9.73E-10	0.00E+00	0.00E+00	0.00E+00	9.73E-10	1.50E-10	0.00E+00	0.00E+00	0.00E+00	1.50E-10	9.97E-11	0.00E+00	0.00E+00	0.00E+00	9.97E-11
133	381906.08	3737359.79	8.89E-10	0.00E+00	0.00E+00	0.00E+00	8.89E-10	1.37E-10	0.00E+00	0.00E+00	0.00E+00	1.37E-10	9.11E-11	0.00E+00	0.00E+00	0.00E+00	9.11E-11
134	381936.08	3737359.79	8.15E-10	0.00E+00	0.00E+00	0.00E+00	8.15E-10	1.26E-10	0.00E+00	0.00E+00	0.00E+00	1.26E-10	8.35E-11	0.00E+00	0.00E+00	0.00E+00	8.35E-11
135	381966.08	3737359.79	7.50E-10	0.00E+00	0.00E+00	0.00E+00	7.50E-10	1.16E-10	0.00E+00	0.00E+00	0.00E+00	1.16E-10	7.68E-11	0.00E+00	0.00E+00	0.00E+00	7.68E-11
136	381996.08	3737359.79	6.93E-10	0.00E+00	0.00E+00	0.00E+00	6.93E-10	1.07E-10	0.00E+00	0.00E+00	0.00E+00	1.07E-10	7.09E-11	0.00E+00	0.00E+00	0.00E+00	7.09E-11
137	382026.08	3737359.79	6.42E-10	0.00E+00	0.00E+00	0.00E+00	6.42E-10	9.89E-11	0.00E+00	0.00E+00	0.00E+00	9.89E-11	6.57E-11	0.00E+00	0.00E+00	0.00E+00	6.57E-11
138	382056.08	3737359.79	5.97E-10	0.00E+00	0.00E+00	0.00E+00	5.97E-10	9.19E-11	0.00E+00	0.00E+00	0.00E+00	9.19E-11	6.11E-11	0.00E+00	0.00E+00	0.00E+00	6.11E-11
139	382086.08	3737359.79	5.56E-10	0.00E+00	0.00E+00	0.00E+00	5.56E-10	8.57E-11	0.00E+00	0.00E+00	0.00E+00	8.57E-11	5.69E-11	0.00E+00	0.00E+00	0.00E+00	5.69E-11
140	382116.08	3737359.79	5.19E-10	0.00E+00	0.00E+00	0.00E+00	5.19E-10	8.00E-11	0.00E+00	0.00E+00	0.00E+00	8.00E-11	5.32E-11	0.00E+00	0.00E+00	0.00E+00	5.32E-11
141	382146.08	3737359.79	4.86E-10	0.00E+00	0.00E+00	0.00E+00	4.86E-10	7.50E-11	0.00E+00	0.00E+00	0.00E+00	7.50E-11	4.98E-11	0.00E+00	0.00E+00	0.00E+00	4.98E-11
142	382176.08	3737359.79	4.57E-10	0.00E+00	0.00E+00	0.00E+00	4.57E-10	7.04E-11	0.00E+00	0.00E+00	0.00E+00	7.04E-11	4.68E-11	0.00E+00	0.00E+00	0.00E+00	4.68E-11
143	382206.08	3737359.79	4.30E-10	0.00E+00	0.00E+00	0.00E+00	4.30E-10	6.62E-11	0.00E+00	0.00E+00	0.00E+00	6.62E-11	4.40E-11	0.00E+00	0.00E+00	0.00E+00	4.40E-11
144	382236.08	3737359.79	4.05E-10	0.00E+00	0.00E+00	0.00E+00	4.05E-10	6.24E-11	0.00E+00	0.00E+00	0.00E+00	6.24E-11	4.15E-11	0.00E+00	0.00E+00	0.00E+00	4.15E-11
145	382266.08	3737359.79	3.83E-10	0.00E+00	0.00E+00	0.00E+00	3.83E-10	5.90E-11	0.00E+00	0.00E+00	0.00E+00	5.90E-11	3.92E-11	0.00E+00	0.00E+00	0.00E+00	3.92E-11
146	382296.08	3737359.79	3.62E-10	0.00E+00	0.00E+00	0.00E+00	3.62E-10	5.58E-11	0.00E+00	0.00E+00	0.00E+00	5.58E-11	3.71E-11	0.00E+00	0.00E+00	0.00E+00	3.71E-11
147	382326.08	3737359.79	3.43E-10	0.00E+00	0.00E+00	0.00E+00	3.43E-10	5.29E-11	0.00E+00	0.00E+00	0.00E+00	5.29E-11	3.52E-11	0.00E+00	0.00E+00	0.00E+00	3.52E-11
148	381726.08	3737374.86	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09	2.55E-10	0.00E+00	0.00E+00	0.00E+00	2.55E-10	1.70E-10	0.00E+00	0.00E+00	0.00E+00	1.70E-10
149	381756.08	3737374.86	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09	2.27E-10	0.00E+00	0.00E+00	0.00E+00	2.27E-10	1.51E-10	0.00E+00	0.00E+00	0.00E+00	1.51E-10
150	381786.08	3737374.86	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09	2.03E-10	0.00E+00	0.00E+00	0.00E+00	2.03E-10	1.35E-10	0.00E+00	0.00E+00	0.00E+00	1.35E-10
151	381816.08	3737374.86	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09	1.83E-10	0.00E+00	0.00E+00	0.00E+00	1.83E-10	1.22E-10	0.00E+00	0.00E+00	0.00E+00	1.22E-10
152	381846.08	3737374.86	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09	1.66E-10	0.00E+00	0.00E+00	0.00E+00	1.66E-10	1.10E-10	0.00E+00	0.00E+00	0.00E+00	1.10E-10
153	381876.08	3737374.86	9.77E-10	0.00E+00	0.00E+00	0.00E+00	9.77E-10	1.51E-10	0.00E+00	0.00E+00	0.00E+00	1.51E-10	1.00E-10	0.00E+00	0.00E+00	0.00E+00	1.00E-10
154	381906.08	3737374.86	8.92E-10	0.00E+00	0.00E+00	0.00E+00	8.92E-10	1.37E-10	0.00E+00	0.00E+00	0.00E+00	1.37E-10	9.14E-11	0.00E+00	0.00E+00	0.00E+00	9.14E-11
155	381936.08	3737374.86	8.18E-10	0.00E+00	0.00E+00	0.00E+00	8.18E-10	1.26E-10	0.00E+00	0.00E+00	0.00E+00	1.26E-10	8.37E-11	0.00E+00	0.00E+00	0.00E+00	8.37E-11
156	381966.08	3737374.86	7.53E-10	0.00E+00	0.00E+00	0.00E+00	7.53E-10	1.16E-10	0.00E+00	0.00E+00	0.00E+00	1.16E-10	7.71E-11	0.00E+00	0.00E+00	0.00E+00	7.71E-11
157	381996.08	3737374.86	6.95E-10	0.00E+00	0.00E+00	0.00E+00	6.95E-10	1.07E-10	0.00E+00	0.00E+00	0.00E+00	1.07E-10	7.12E-11	0.00E+00	0.00E+00	0.00E+00	7.12E-11
158	382026.08	3737374.86	6.44E-10	0.00E+00	0.00E+00	0.00E+00	6.44E-10	9.93E-11	0.00E+00	0.00E+00	0.00E+00	9.93E-11	6.60E-11	0.00E+00	0.00E+00	0.00E+00	6.60E-11
159	382056.08	3737374.86	5.98E-10	0.00E+00	0.00E+00	0.00E+00	5.98E-10	9.22E-11	0.00E+00	0.00E+00	0.00E+00	9.22E-11	6.13E-11	0.00E+00	0.00E+00	0.00E+00	6.13E-11
160	382086.08	3737374.86	5.58E-10	0.00E+00	0.00E+00	0.00E+00	5.58E-10	8.59E-11	0.00E+00	0.00E+00	0.00E+00	8.59E-11	5.71E-11	0.00E+00	0.00E+00	0.00E+00	5.71E-11
161	382116.08	3737374.86	5.21E-10	0.00E+00	0.00E+00	0.00E+00	5.21E-10	8.03E-11	0.00E+00	0.00E+00	0.00E+00	8.03E-11	5.33E-11	0.00E+00	0.00E+00	0.00E+00	5.33E-11
162	382146.08	3737374.86	4.88E-10	0.00E+00	0.00E+00	0.00E+00	4.88E-10	7.52E-11	0.00E+00	0.00E+00	0.00E+00	7.52E-11	5.00E-11	0.00E+00	0.00E+00	0.00E+00	5.00E-11
163	382176.08	3737374.86	4.58E-10	0.00E+00	0.00E+00	0.00E+00	4.58E-10	7.06E-11	0.00E+00	0.00E+00	0.00E+00	7.06E-11	4.69E-11	0.00E+00	0.00E+00	0.00E+00	4.69E-11
164	382206.08	3737374.86	4.31E-10	0.00E+00	0.00E+00	0.00E+00	4.31E-10	6.64E-11	0.00E+00	0.00E+00	0.00E+00	6.64E-11	4.41E-11	0.00E+00	0.00E+00	0.00E+00	4.41E-11
165	382236.08	3737374.86	4.06E-10	0.00E+00	0.00E+00	0.00E+00	4.06E-10	6.26E-11	0.00E+00	0.00E+00	0.00E+00	6.26E-11	4.16E-11	0.00E+00	0.00E+00	0.00E+00	4.16E-11
166	382266.08	3737374.86	3.83E-10	0.00E+00	0.00E+00	0.00E+00	3.83E-10	5.91E-11	0.00E+00	0.00E+00	0.00E+00	5.91E-11	3.93E-11	0.00E+00	0.00E+00	0.00E+00	3.93E-11
167	382296.08	3737374.86	3.63E-10	0.00E+00	0.00E+00	0.00E+00	3.63E-10	5.59E-11	0.00E+00	0.00E+00	0.00E+00	5.59E-11	3.72E-11	0.00E+00	0.00E+00	0.00E+00	3.72E-11
168	382326.08	3737374.86	3.44E-10	0.00E+00	0.00E+00	0.00E+00	3.44E-10	5.30E-11	0.00E+00	0.00E+00	0.00E+00	5.30E-11	3.52E-11	0.00E+00	0.00E+00	0.00E+00	3.52E-11
169	380799.03	3737078.19	2.92E-09	0.00E+00	0.00E+00	0.00E+00	2.92E-09	4.50E-10	0.00E+00	0.00E+00	0.00E+00	4.50E-10	2.99E-10	0.00E+00	0.00E+00	0.00E+00	2.99E-10
170	380829.03	3737078.19	3.26E-09	0.00E+00	0.00E+00	0.00E+00	3.26E-09	5.03E-10	0.00E+00	0.00E+00	0.00E+00	5.03E-10	3.34E-10	0.00E+00	0.00E+00	0.00E+00	3.34E-10
171	380859.03	3737078.19	3.66E-09	0.00E+00	0.00E+00	0.00E+00	3.66E-09	5.64E-10	0.00E+00	0.00E+00	0.00E+00	5.64E-10	3.75E-10	0.00E+00	0.00E+00	0.00E+00	3.75E-10
172	380889.03	3737078.19	4.16E-09	0.00E+00	0.00E+00	0.00E+00	4.16E-09	6.41E-10	0.00E+00	0.00E+00	0.00E+00	6.41E-10	4.26E-10	0.00E+00	0.00E+00	0.00E+00	4.26E-10
173	380919.03	3737078.19	4.67E-09	0.00E+00	0.00E+00	0.00E+00	4.67E-09	7.20E-10	0.00E+00	0.00E+00	0.00E+00	7.20E-10	4.79E-10	0.00E+00	0.00E+00	0.00E+00	4.79E-10
174	380949.03	3737078.19	5.16E-09	0.00E+00	0.00E+00	0.00E+00	5.16E-09	7.95E-10	0.00E+00	0.00E+00	0.00E+00	7.95E-10	5.28E-10	0.00E+00	0.00E+00	0.00E+00	5.28E-10
175	380979.03	3737078.19	5.67E-09	0.00E+00	0.00E+00	0.00E+00	5.67E-09	8.74E-10	0.00E+00	0.00E+00	0.00E+00	8.74E-10	5.81E-10	0.00E+00	0.00E+00	0.00E+00	5.81E-10
176	381009.03	3737078.19	6.36E-09	0.00E+00	0.00E+00	0.00E+00	6.36E-09	9.80E-10	0.00E+00	0.00E+00	0.00E+00	9.80E-10	6.51E-10	0.00E+00	0.00E+00	0.00E+00	6.51E-10
177	381039.03	3737078.19	7.22E-09	0.00E+00	0.00E+00	0.00E+00	7.22E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09	7.40E-10	0.00E+00	0.00E+00	0.00E+00	7.40E-10
178	381069.03	3737078.19	8.07E-09	0.00E+00	0.00E+00	0.00E+00	8.07E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09	8.27E-10	0.00E+00	0.00E+00	0.00E+00	8.27E-10
179	381099.03	3737078.19	9.11E-09	0.00E+00	0.00E+00	0.00E+00	9.11E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09	9.33E-10	0.00E+00	0.00E+00	0.00E+00	9.33E-10
180	381129.03	3737078.19	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
181	381159.03	3737078.19	1.30E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09
182	381189.03	3737078.19	1.56E-08	0.00E+00	0.00E+00	0.00E+00	1.56E-08	2.41E-09	0.00E+00	0.00E+00	0.00E+00	2.41E-09	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09
183	381219.03	3737078.19	1.89E-08	0.00E+00	0.00E+00	0.00E+00	1.89E-08	2.92E-09	0.00E+00	0.00E+00	0.00E+00	2.92E-09	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09
184	381249.03	3737078.19	2.46E-08	0.00E+00	0.00E+00	0.00E+00	2.46E-08	3.79E-09	0.00E+00	0.00E+00	0.00E+00	3.79E-09	2.52E-09	0.00E+00	0.00E+00	0.00E+00	2.52E-09
185	380799.03	3737108.19	2.73E-09	0.00E+00	0.00E+00	0.00E+00	2.73E-09	4.21E-10	0.00E+00	0.00E+00	0.00E+00	4.21E-10	2.80E-10	0.00E+00	0.00E+00	0.00E+00	2.80E-10
186	380829.03	3737108.19	3.05E-09	0.00E+00	0.00E+00	0.00E+00	3.05E-09	4.70E-10	0.00E+00	0.00E+00	0.00E+00	4.70E-10	3.12E-10	0.00E+00	0.00E+00	0.00E+00	3.12E-10
187	380859.03	3737108.19	3.41E-09	0.00E+00	0.00E+00	0.00E+00	3.41E-09	5.25E-10	0.00E+00	0.00E+00	0.00E+00	5.25E-10	3.49E-10	0.00E+00	0.00E+00	0.00E+00	3.49E-10
188	380889.03	3737108.19	3.85E-09	0.00E+00	0.00E+00	0.00E+00	3.85E-09	5.93E-10	0.00E+00	0.00E+00	0.00E+00	5.93E-10	3.94E-10	0.00E+00	0.00E+00	0.00E+00	3.94E-10
189	380919.03	3737108.19	4.33E-09	0.00E+00	0.00E+00	0.00E+00	4.33E-09	6.67E-10	0.00E+00	0.00E+00	0.00E+00	6.67E-10	4.43E-10	0.00E+00	0.00E+00	0.00E+00	4.43E-10
190	380949.03	3737108.19	4.78E-09	0.00E+00	0.00E+00	0.00E+00	4.78E-09	7.36E-10	0.00E+00	0.00E+00	0.00E+00	7.36E-10	4.89E-10	0.00E+00	0.00E+00	0.00E+00	4.89E-10
191	380979.03	3737108.19	5.29E-09	0.00E+00	0.00E+00	0.00E+00	5.29E-09	8.15E-10	0.00E+00	0.00E+00	0.00E+00	8.15E-10	5.41E-10	0.00E+00	0.00E+00	0.00E+00	5.41E-10
192	381009.03	3737108.19	5.99E-09	0.00E+00	0.00E+00	0.00E+00	5.99E-09	9.23E-10	0.00E+00	0.00E+00	0.00E+00	9.23E-10	6.13E-10	0.00E+00	0.00E+00	0.00E+00	6.13E-10
193	381039.03	3737108.19	6.76E-09	0.00E+00	0.00E+00	0.00E+00	6.76E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09	6.93E-10	0.00E+00	0.00E+00	0.00E+00	6.93E-10
194	381069.03	3737108.19	7.54E-09	0.00E+00	0.00E+00	0.00E+00	7.54E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09	7.72E-10	0.00E+00	0.00E+00	0.00E+00	7.72E-10
195	381099.03	3737108.19	8.54E-09	0.00E+00	0.00E+00	0.00E+00	8.54E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09	8.75E-10	0.00E+00	0.00E+00	0.00E+00	8.75E-10
196	381129.03	3737108.19	9.80E-09	0.00E+00	0.00E+00	0.00E+00	9.80E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09	1.00E-09	0.00E+00	0.00E+00	0.00E+00	1.00E-09
197	381159.03	3737108.19	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
198	381189.03	3737108.19	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.08E-09	0.00E+00	0.00E+00	0.00E+00	2.08E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
199	381219.03	3737108.19	1.62E-08	0.00E+00	0.00E+00	0.00E+00	1.62E-08	2.50E-09	0.00E+00	0.00E+00	0.00E+00	2.50E-09	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09
200	381249.03	3737108.19	2.01E-08	0.00E+00	0.00E+00	0.00E+00	2.01E-08	3.09E-09	0.00E+00	0.00E+00	0.00E+00	3.09E-09	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09
201	380829.03	3737138.19	2.82E-09	0.00E+00	0.00E+00	0.00E+00	2.82E-09	4.34E-10	0.00E+00	0.00E+00	0.00E+00	4.34E-10	2.89E-10	0.00E+00	0.00E+00	0.00E+00	2.89E-10
202	380859.03	3737138.19	3.15E-09	0.00E+00	0.00E+00	0.00E+00	3.15E-09	4.86E-10	0.00E+00	0.00E+00	0.00E+00	4.86E-10	3.23E-10	0.00E+00	0.00E+00	0.00E+00	3.23E-10
203	380889.03	3737138.19	3.55E-09	0.00E+00	0.00E+00	0.00E+00	3.55E-09	5.48E-10	0.00E+00	0.00E+00	0.00E+00	5.48E-10	3.64E-10	0.00E+00	0.00E+00	0.00E+00	3.64E-10
204	380919.03	3737138.19	3.99E-09	0.00E+00	0.00E+00	0.00E+00	3.99E-09	6.16E-10	0.00E+00	0.00E+00	0.00E+00	6.16E-10	4.09E-10	0.00E+00	0.00E+00	0.00E+00	4.09E-10
205	380949.03	3737138.19	4.43E-09	0.00E+00	0.00E+00	0.00E+00	4.43E-09	6.83E-10	0.00E+00	0.00E+00	0.00E+00	6.83E-10	4.54E-10	0.00E+00	0.00E+00	0.00E+00	4.54E-10
206	380979.03	3737138.19	4.95E-09	0.00E+00	0.00E+00	0.00E+00	4.95E-09	7.63E-10	0.00E+00	0.00E+00	0.00E+00	7.63E-10	5.07E-10	0.00E+00	0.00E+00	0.00E+00	5.07E-10
207	381009.03	3737138.19	5.62E-09	0.00E+00	0.00E+00	0.00E+00	5.62E-09	8.65E-10	0.00E+00	0.00E+00	0.00E+00	8.65E-10	5.75E-10	0.00E+00	0.00E+00	0.00E+00	5.75E-10
208	381039.03	3737138.19	6.30E-09	0.00E+00	0.00E+00	0.00E+00	6.30E-09	9.71E-10	0.00E+00	0.00E+00	0.00E+00	9.71E-10	6.45E-10	0.00E+00	0.00E+00	0.00E+00	6.45E-10
209	381069.03	3737138.19	7.00E-09	0.00E+00	0.00E+00	0.00E+00	7.00E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09	7.17E-10	0.00E+00	0.00E+00	0.00E+00	7.17E-10
210	381099.03	3737138.19	7.87E-09	0.00E+00	0.00E+00	0.00E+00	7.87E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09	8.06E-10	0.00E+00	0.00E+00	0.00E+00	8.06E-10

211	381129.03	3737138.19	8.88E-09	0.00E+00	0.00E+00	0.00E+00	8.88E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09	9.09E-10	0.00E+00	0.00E+00	0.00E+00	9.09E-10
212	381159.03	3737138.19	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
213	381189.03	3737138.19	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
214	381219.03	3737138.19	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.14E-09	0.00E+00	0.00E+00	0.00E+00	2.14E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09
215	381249.03	3737138.19	1.67E-08	0.00E+00	0.00E+00	0.00E+00	1.67E-08	2.58E-09	0.00E+00	0.00E+00	0.00E+00	2.58E-09	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09
216	380829.03	3737168.19	2.64E-09	0.00E+00	0.00E+00	0.00E+00	2.64E-09	4.06E-10	0.00E+00	0.00E+00	0.00E+00	4.06E-10	2.70E-10	0.00E+00	0.00E+00	0.00E+00	2.70E-10
217	380859.03	3737168.19	2.93E-09	0.00E+00	0.00E+00	0.00E+00	2.93E-09	4.52E-10	0.00E+00	0.00E+00	0.00E+00	4.52E-10	3.00E-10	0.00E+00	0.00E+00	0.00E+00	3.00E-10
218	380889.03	3737168.19	3.32E-09	0.00E+00	0.00E+00	0.00E+00	3.32E-09	5.11E-10	0.00E+00	0.00E+00	0.00E+00	5.11E-10	3.40E-10	0.00E+00	0.00E+00	0.00E+00	3.40E-10
219	380919.03	3737168.19	3.73E-09	0.00E+00	0.00E+00	0.00E+00	3.73E-09	5.75E-10	0.00E+00	0.00E+00	0.00E+00	5.75E-10	3.82E-10	0.00E+00	0.00E+00	0.00E+00	3.82E-10
220	380949.03	3737168.19	4.15E-09	0.00E+00	0.00E+00	0.00E+00	4.15E-09	6.39E-10	0.00E+00	0.00E+00	0.00E+00	6.39E-10	4.25E-10	0.00E+00	0.00E+00	0.00E+00	4.25E-10
221	380979.03	3737168.19	4.64E-09	0.00E+00	0.00E+00	0.00E+00	4.64E-09	7.15E-10	0.00E+00	0.00E+00	0.00E+00	7.15E-10	4.75E-10	0.00E+00	0.00E+00	0.00E+00	4.75E-10
222	381009.03	3737168.19	5.21E-09	0.00E+00	0.00E+00	0.00E+00	5.21E-09	8.03E-10	0.00E+00	0.00E+00	0.00E+00	8.03E-10	5.34E-10	0.00E+00	0.00E+00	0.00E+00	5.34E-10
223	381039.03	3737168.19	5.81E-09	0.00E+00	0.00E+00	0.00E+00	5.81E-09	8.95E-10	0.00E+00	0.00E+00	0.00E+00	8.95E-10	5.95E-10	0.00E+00	0.00E+00	0.00E+00	5.95E-10
224	381069.03	3737168.19	6.41E-09	0.00E+00	0.00E+00	0.00E+00	6.41E-09	9.87E-10	0.00E+00	0.00E+00	0.00E+00	9.87E-10	6.56E-10	0.00E+00	0.00E+00	0.00E+00	6.56E-10
225	381099.03	3737168.19	7.18E-09	0.00E+00	0.00E+00	0.00E+00	7.18E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09	7.35E-10	0.00E+00	0.00E+00	0.00E+00	7.35E-10
226	381129.03	3737168.19	8.08E-09	0.00E+00	0.00E+00	0.00E+00	8.08E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09	8.28E-10	0.00E+00	0.00E+00	0.00E+00	8.28E-10
227	381159.03	3737168.19	9.09E-09	0.00E+00	0.00E+00	0.00E+00	9.09E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09	9.31E-10	0.00E+00	0.00E+00	0.00E+00	9.31E-10
228	381189.03	3737168.19	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
229	381219.03	3737168.19	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09
230	381249.03	3737168.19	1.43E-08	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.20E-09	0.00E+00	0.00E+00	0.00E+00	2.20E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09
231	380859.03	3737198.19	2.79E-09	0.00E+00	0.00E+00	0.00E+00	2.79E-09	4.30E-10	0.00E+00	0.00E+00	0.00E+00	4.30E-10	2.85E-10	0.00E+00	0.00E+00	0.00E+00	2.85E-10
232	380889.03	3737198.19	3.15E-09	0.00E+00	0.00E+00	0.00E+00	3.15E-09	4.86E-10	0.00E+00	0.00E+00	0.00E+00	4.86E-10	3.23E-10	0.00E+00	0.00E+00	0.00E+00	3.23E-10
233	380919.03	3737198.19	3.54E-09	0.00E+00	0.00E+00	0.00E+00	3.54E-09	5.46E-10	0.00E+00	0.00E+00	0.00E+00	5.46E-10	3.63E-10	0.00E+00	0.00E+00	0.00E+00	3.63E-10
234	380949.03	3737198.19	3.94E-09	0.00E+00	0.00E+00	0.00E+00	3.94E-09	6.07E-10	0.00E+00	0.00E+00	0.00E+00	6.07E-10	4.04E-10	0.00E+00	0.00E+00	0.00E+00	4.04E-10
235	380979.03	3737198.19	4.38E-09	0.00E+00	0.00E+00	0.00E+00	4.38E-09	6.76E-10	0.00E+00	0.00E+00	0.00E+00	6.76E-10	4.49E-10	0.00E+00	0.00E+00	0.00E+00	4.49E-10
236	381009.03	3737198.19	4.86E-09	0.00E+00	0.00E+00	0.00E+00	4.86E-09	7.49E-10	0.00E+00	0.00E+00	0.00E+00	7.49E-10	4.98E-10	0.00E+00	0.00E+00	0.00E+00	4.98E-10
237	381039.03	3737198.19	5.34E-09	0.00E+00	0.00E+00	0.00E+00	5.34E-09	8.23E-10	0.00E+00	0.00E+00	0.00E+00	8.23E-10	5.47E-10	0.00E+00	0.00E+00	0.00E+00	5.47E-10
238	381069.03	3737198.19	5.88E-09	0.00E+00	0.00E+00	0.00E+00	5.88E-09	9.07E-10	0.00E+00	0.00E+00	0.00E+00	9.07E-10	6.03E-10	0.00E+00	0.00E+00	0.00E+00	6.03E-10
239	381099.03	3737198.19	6.54E-09	0.00E+00	0.00E+00	0.00E+00	6.54E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09	6.70E-10	0.00E+00	0.00E+00	0.00E+00	6.70E-10
240	381129.03	3737198.19	7.37E-09	0.00E+00	0.00E+00	0.00E+00	7.37E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09	7.55E-10	0.00E+00	0.00E+00	0.00E+00	7.55E-10
241	381159.03	3737198.19	8.31E-09	0.00E+00	0.00E+00	0.00E+00	8.31E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09	8.51E-10	0.00E+00	0.00E+00	0.00E+00	8.51E-10
242	381189.03	3737198.19	9.41E-09	0.00E+00	0.00E+00	0.00E+00	9.41E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09	9.64E-10	0.00E+00	0.00E+00	0.00E+00	9.64E-10
243	381219.03	3737198.19	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09
244	381249.03	3737198.19	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
245	380859.03	3737228.19	2.66E-09	0.00E+00	0.00E+00	0.00E+00	2.66E-09	4.10E-10	0.00E+00	0.00E+00	0.00E+00	4.10E-10	2.72E-10	0.00E+00	0.00E+00	0.00E+00	2.72E-10
246	380889.03	3737228.19	3.00E-09	0.00E+00	0.00E+00	0.00E+00	3.00E-09	4.62E-10	0.00E+00	0.00E+00	0.00E+00	4.62E-10	3.07E-10	0.00E+00	0.00E+00	0.00E+00	3.07E-10
247	380919.03	3737228.19	3.35E-09	0.00E+00	0.00E+00	0.00E+00	3.35E-09	5.17E-10	0.00E+00	0.00E+00	0.00E+00	5.17E-10	3.44E-10	0.00E+00	0.00E+00	0.00E+00	3.44E-10
248	380949.03	3737228.19	3.73E-09	0.00E+00	0.00E+00	0.00E+00	3.73E-09	5.75E-10	0.00E+00	0.00E+00	0.00E+00	5.75E-10	3.82E-10	0.00E+00	0.00E+00	0.00E+00	3.82E-10
249	380979.03	3737228.19	4.13E-09	0.00E+00	0.00E+00	0.00E+00	4.13E-09	6.37E-10	0.00E+00	0.00E+00	0.00E+00	6.37E-10	4.23E-10	0.00E+00	0.00E+00	0.00E+00	4.23E-10
250	381009.03	3737228.19	4.56E-09	0.00E+00	0.00E+00	0.00E+00	4.56E-09	7.03E-10	0.00E+00	0.00E+00	0.00E+00	7.03E-10	4.67E-10	0.00E+00	0.00E+00	0.00E+00	4.67E-10
251	381039.03	3737228.19	4.98E-09	0.00E+00	0.00E+00	0.00E+00	4.98E-09	7.67E-10	0.00E+00	0.00E+00	0.00E+00	7.67E-10	5.10E-10	0.00E+00	0.00E+00	0.00E+00	5.10E-10
252	381069.03	3737228.19	5.47E-09	0.00E+00	0.00E+00	0.00E+00	5.47E-09	8.43E-10	0.00E+00	0.00E+00	0.00E+00	8.43E-10	5.60E-10	0.00E+00	0.00E+00	0.00E+00	5.60E-10
253	381099.03	3737228.19	6.09E-09	0.00E+00	0.00E+00	0.00E+00	6.09E-09	9.38E-10	0.00E+00	0.00E+00	0.00E+00	9.38E-10	6.23E-10	0.00E+00	0.00E+00	0.00E+00	6.23E-10
254	381129.03	3737228.19	6.80E-09	0.00E+00	0.00E+00	0.00E+00	6.80E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09	6.96E-10	0.00E+00	0.00E+00	0.00E+00	6.96E-10
255	381159.03	3737228.19	7.63E-09	0.00E+00	0.00E+00	0.00E+00	7.63E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09	7.81E-10	0.00E+00	0.00E+00	0.00E+00	7.81E-10
256	381189.03	3737228.19	8.61E-09	0.00E+00	0.00E+00	0.00E+00	8.61E-09	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09	8.82E-10	0.00E+00	0.00E+00	0.00E+00	8.82E-10
257	381219.03	3737228.19	9.78E-09	0.00E+00	0.00E+00	0.00E+00	9.78E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09	1.00E-09	0.00E+00	0.00E+00	0.00E+00	1.00E-09
258	381249.03	3737228.19	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
259	380859.03	3737258.19	2.53E-09	0.00E+00	0.00E+00	0.00E+00	2.53E-09	3.90E-10	0.00E+00	0.00E+00	0.00E+00	3.90E-10	2.59E-10	0.00E+00	0.00E+00	0.00E+00	2.59E-10
260	380889.03	3737258.19	2.85E-09	0.00E+00	0.00E+00	0.00E+00	2.85E-09	4.39E-10	0.00E+00	0.00E+00	0.00E+00	4.39E-10	2.92E-10	0.00E+00	0.00E+00	0.00E+00	2.92E-10
261	380919.03	3737258.19	3.19E-09	0.00E+00	0.00E+00	0.00E+00	3.19E-09	4.91E-10	0.00E+00	0.00E+00	0.00E+00	4.91E-10	3.26E-10	0.00E+00	0.00E+00	0.00E+00	3.26E-10
262	380949.03	3737258.19	3.53E-09	0.00E+00	0.00E+00	0.00E+00	3.53E-09	5.44E-10	0.00E+00	0.00E+00	0.00E+00	5.44E-10	3.62E-10	0.00E+00	0.00E+00	0.00E+00	3.62E-10
263	380979.03	3737258.19	3.92E-09	0.00E+00	0.00E+00	0.00E+00	3.92E-09	6.04E-10	0.00E+00	0.00E+00	0.00E+00	6.04E-10	4.01E-10	0.00E+00	0.00E+00	0.00E+00	4.01E-10
264	381009.03	3737258.19	4.31E-09	0.00E+00	0.00E+00	0.00E+00	4.31E-09	6.64E-10	0.00E+00	0.00E+00	0.00E+00	6.64E-10	4.41E-10	0.00E+00	0.00E+00	0.00E+00	4.41E-10
265	381039.03	3737258.19	4.70E-09	0.00E+00	0.00E+00	0.00E+00	4.70E-09	7.24E-10	0.00E+00	0.00E+00	0.00E+00	7.24E-10	4.81E-10	0.00E+00	0.00E+00	0.00E+00	4.81E-10
266	381069.03	3737258.19	5.16E-09	0.00E+00	0.00E+00	0.00E+00	5.16E-09	7.95E-10	0.00E+00	0.00E+00	0.00E+00	7.95E-10	5.28E-10	0.00E+00	0.00E+00	0.00E+00	5.28E-10
267	381099.03	3737258.19	5.69E-09	0.00E+00	0.00E+00	0.00E+00	5.69E-09	8.77E-10	0.00E+00	0.00E+00	0.00E+00	8.77E-10	5.83E-10	0.00E+00	0.00E+00	0.00E+00	5.83E-10
268	381129.03	3737258.19	6.32E-09	0.00E+00	0.00E+00	0.00E+00	6.32E-09	9.74E-10	0.00E+00	0.00E+00	0.00E+00	9.74E-10	6.47E-10	0.00E+00	0.00E+00	0.00E+00	6.47E-10
269	381159.03	3737258.19	7.05E-09	0.00E+00	0.00E+00	0.00E+00	7.05E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09	7.22E-10	0.00E+00	0.00E+00	0.00E+00	7.22E-10
270	381189.03	3737258.19	7.86E-09	0.00E+00	0.00E+00	0.00E+00	7.86E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09	8.05E-10	0.00E+00	0.00E+00	0.00E+00	8.05E-10
271	381219.03	3737258.19	8.73E-09	0.00E+00	0.00E+00	0.00E+00	8.73E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09	8.95E-10	0.00E+00	0.00E+00	0.00E+00	8.95E-10
272	381249.03	3737258.19	9.79E-09	0.00E+00	0.00E+00	0.00E+00	9.79E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09	1.00E-09	0.00E+00	0.00E+00	0.00E+00	1.00E-09
273	380889.03	3737288.19	2.71E-09	0.00E+00	0.00E+00	0.00E+00	2.71E-09	4.17E-10	0.00E+00	0.00E+00	0.00E+00	4.17E-10	2.77E-10	0.00E+00	0.00E+00	0.00E+00	2.77E-10
274	380919.03	3737288.19	3.01E-09	0.00E+00	0.00E+00	0.00E+00	3.01E-09	4.64E-10	0.00E+00	0.00E+00	0.00E+00	4.64E-10	3.09E-10	0.00E+00	0.00E+00	0.00E+00	3.09E-10
275	380949.03	3737288.19	3.34E-09	0.00E+00	0.00E+00	0.00E+00	3.34E-09	5.15E-10	0.00E+00	0.00E+00	0.00E+00	5.15E-10	3.42E-10	0.00E+00	0.00E+00	0.00E+00	3.42E-10
276	380979.03	3737288.19	3.71E-09	0.00E+00	0.00E+00	0.00E+00	3.71E-09	5.71E-10	0.00E+00	0.00E+00	0.00E+00	5.71E-10	3.80E-10	0.00E+00	0.00E+00	0.00E+00	3.80E-10
277	381009.03	3737288.19	4.07E-09	0.00E+00	0.00E+00	0.00E+00	4.07E-09	6.27E-10	0.00E+00	0.00E+00	0.00E+00	6.27E-10	4.17E-10	0.00E+00	0.00E+00	0.00E+00	4.17E-10
278	381039.03	3737288.19	4.46E-09	0.00E+00	0.00E+00	0.00E+00	4.46E-09	6.87E-10	0.00E+00	0.00E+00	0.00E+00	6.87E-10	4.57E-10	0.00E+00	0.00E+00	0.00E+00	4.57E-10
279	381069.03	3737288.19	4.88E-09	0.00E+00	0.00E+00	0.00E+00	4.88E-09	7.52E-10	0.00E+00	0.00E+00	0.00E+00	7.52E-10	5.00E-10	0.00E+00	0.00E+00	0.00E+00	5.00E-10
280	381099.03	3737288.19	5.34E-09	0.00E+00	0.00E+00	0.00E+00	5.34E-09	8.23E-10	0.00E+00	0.00E+00	0.00E+00	8.23E-10	5.47E-10	0.00E+00	0.00E+00	0.00E+00	5.47E-10
281	381129.03	3737288.19	5.89E-09	0.00E+00	0.00E+00	0.00E+00	5.89E-09	9.07E-10	0.00E+00	0.00E+00	0.00E+00	9.07E-10	6.03E-10	0.00E+00	0.00E+00	0.00E+00	6.03E-10
282	381159.03	3737288.19	6.52E-09	0.00E+00	0.00E+00	0.00E+00	6.52E-09	1.00E-09	0.00E+00	0.00E+00	0.00E+00	1.00E-09	6.68E-10	0.00E+00	0.00E+00	0.00E+00	6.68E-10
283	381189.03	3737288.19	7.20E-09	0.00E+00	0.00E+00	0.00E+00	7.20E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09	7.37E-10	0.00E+00	0.00E+00	0.00E+00	7.37E-10
284	381219.03	3737288.19	7.98E-09	0.00E+00	0.00E+00	0.00E+00	7.98E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09	8.17E-10	0.00E+00	0.00E+00	0.00E+00	8.17E-10
285	381249.03	3737288.19	8.77E-09	0.00E+00	0.00E+00	0.00E+00	8.77E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09	8.98E-10	0.00E+00	0.00E+00	0.00E+00	8.98E-10
286	380889.03	3737318.19	2.56E-09	0.00E+00	0.00E+00	0.00E+00	2.56E-09	3.95E-10	0.00E+00	0.00E+00	0.00E+00	3.95E-10	2.63E-10	0.00E+00	0.00E+00	0.00E+00	2.63E-10
287	380919.03	3737318.19	2.83E-09	0.00E+00	0.00E+00	0.00E+00	2.83E-09	4.37E-10	0.00E+00	0.00E+00	0.00E+00	4.37E-10	2.90E-10	0.00E+00	0.00E+00	0.00E+00	2.90E-10
288	380949.03	3737318.19	3.14E-09	0.00E+00	0.00E+00	0.00E+00	3.14E-09	4.84E-10	0.00E+00	0.00E+00	0.00E+00	4.84E-10	3.22E-10	0.00E+00	0.00E+00	0.00E+00	3.22E-10
289	380979.03	3737318.19	3.48E-09	0.00E+00	0.00E+00	0.00E+00	3.48E-09	5.37E-10	0.00E+00	0.00E+00	0.00E+00	5.37E-10	3.57E-10	0.00E+00	0.00E+00	0.00E+00	3.57E-10
290	381009.03	3737318.19	3.84E-09	0.00E+00	0.00E+00	0.00E+00	3.84E-09	5.91E-10	0.00E+00	0.00E+00	0.00E+00	5.91E-10	3.93E-10	0.00E+00	0.00E+00	0.00E+00	3.93E-10
291	381039.03	3737318.19	4.21E-09	0.00E+00	0.00E+00	0.00E+00	4.21E-09	6.49E-10	0.00E+00	0.00E+00	0.00E+00	6.49E-10	4.32E-10	0.00E+00	0.00E+00	0.00E+00	4.32E-10
292	381069.03	3737318.19	4.61E-09	0.00E+00	0.00E+00	0.00E+00	4.61E-09	7.10E-10	0.00E+00	0.00E+00	0.00E+00	7.10E-10	4.72E-10	0.00E+00	0.00E+00	0.00E+00	4.72E-10
293	381099.03	3737318.19	5.01E-09	0.00E+00	0.00E+00	0.00E+00	5.01E-09	7.72E-10	0.00E+00	0.00E+00	0.00E+00	7.72E-10	5.13E-10	0.00E+00	0.00E+00	0.00E+00	5.13E-10
294	381129.03	3737318.19	5.51E-09	0.00E+00	0.00E+00	0.00E+00	5.51E-09	8.49E-10	0.00E+00	0.00E+00	0.00E+00	8.49E-10	5.64E-10	0.00E+00	0.00E+00	0.00E+00	5.64E-10
295	381159.03	3737318.19	6.08E-09	0.00E+00	0.00E+00	0.00E+00	6.08E-09	9.37E-10	0.00E+00	0.00E+00	0.00E+00	9.37E-10	6.23E-10	0.00E+00	0.00E+00	0.00E+00	6.23E-10
296	381189.03	3737318.19	6.69E-09	0.00E+00	0.00E+00	0.00E+00	6.69E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09	6.85E-10	0.00E+00	0.00E+00	0.00E+00	6.85E-10
297	381219.03	3737318.19	7.33E-09	0.00E+00	0.00E+00	0.00E+00	7.33E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09	7.51E-10	0.00E+00	0.00E+00	0.00E+00	7.51E-10
298	381249.03	3737318.19	7.91E-09	0.00E+00	0.00E+00	0.00E+00	7.91E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09	8.11E-10	0.00E+00	0.00E+00	0.00E+00	8.11E-10
299	380919.03	3737348.19	2.67E-09	0.00E+00	0.00E+00	0.00E+00	2.67E-09	4.11E-10	0.00E+00	0.00E+00	0.00E+00	4.11E-10	2.73E-10	0.00E+00	0.00E+00	0.00E+00	2.73E-10
300	380949.03	3737348.19	2.95E-09	0.00E+00	0.00E+00	0.00E+00	2.95E-09	4.55E-10	0.00E+00	0.00E+00	0.00E+00	4.55E-10	3.03E-10	0.00E+00	0.00E+00	0.00E+00	3.03E-10
301	380979.03	3737348.19	3.26E-09	0.00E+00	0.00E+00	0.00E+00	3.26E-09	5.03E-10	0.00E+00	0.00E+00	0.00E+00	5.03E-10	3.34E-10	0.00E+00	0.00E+00	0.00E+00	3.34E-10
302	381009.03	3737348.19	3.60E-09	0.00E+00	0.00E+00	0.00E+00	3.60E-09	5.54E-10	0.00E+00	0.00E+00	0.00E+00	5.54E-10	3.68E-10	0.00E+00	0.00E+00	0.00E+00	3.68E-10
303	381039.03	3737348.19	3.99E-09	0.00E+00	0.00E+00	0.00E+00	3.99E-09	6.15E-10	0.00E+00	0.00E+00	0.00E+00	6.15E-10	4.09E-10	0.00E+00	0.00E+00	0.00E+00	4.09E-10
304	381069.03	3737348.19	4.36E-09	0.00E+00	0.00E+00	0.00E+00	4.36E-09	6.72E-10	0.00E+00	0.00E+00	0.00E+00	6.72E-10	4.47E-10	0.00E+00	0.00E+00	0.00E+00	4.47E-10
305	381099.03	3737348.19	4.74E-09	0.00E+00	0.00E+00	0.00E+00	4.74E-09	7.30E-10	0.00E+00	0.00E+00	0.00E+00	7.30E-10	4.85E-10	0.00E+00	0.00E+00	0.00E+00	4.85E-10
306	381129.03	3737348.19	5.18E-09	0.00E+00	0.00E+00	0.00E+00	5.18E-09	7.98E-10	0.00E+00	0.00E+00	0.00E+00	7.98E-10	5.30E-10	0.00E+00	0.00E+00	0.00E+00	5.30E-10
307	381159.03	3737348.19	5.67E-09	0.00E+00	0.00E+00	0.00E+00	5.67E-09	8.74E-10	0.00E+00	0.00E+00	0.00E+00	8.74E-10	5.81E-10	0.00E+00	0.00E+00	0.00E+00	5.81E-10
308	381189.03	3737348.19	6.20E-09	0.00E+00	0.00E+00	0.00E+00	6.20E-09	9.55E-10	0.00E+00	0.00E+00	0.00E+00	9.55E-10	6.35E-10	0.00E+00	0.00E+00	0.00E+00	6.35E-10
309	381219.03	3737348.19	6.70E-09	0.00E+00	0.00E+00	0.00E+00	6.70E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09	6.86E-10	0.00E+00	0.00E+00	0.00E+00	6.86E-10
310	381249.03	3737348.19	7.15E-09	0.00E+00	0.00E+00	0.00E+00	7.15E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09	7.32E-10	0.00E+00	0.00E+00	0.00E+00	7.32E-10
311	380919.03	3737378.19	2.53E-09	0.00E+00	0.00E+00	0.00E+00	2.53E-09	3.90E-10	0.00E+00	0.00E+00	0.00E+00	3.90E-10	2.59E-10	0.00E+00	0.00E+00	0.00E+00	2.59E-10
312	380949.03	3737378.19	2.79E-09	0.00E+00	0.00E+00	0.00E+00	2.79E-09	4.30E-10	0.00E+00	0.00E+00	0.00E+00	4.30E-10	2.86E-10	0.00E+00	0.00E+00	0.00E+00	2.86E-10
313	380979.03	3737378.19	3.06E-09	0.00E+00	0.00E+00	0.00E+00	3.06E-09	4.71E-10	0.00E+00	0.00E+00	0.00E+00	4.71E-10	3.13E-10	0.00E+00	0.00E+00	0.00E+00	3.13E-10
314	381009.03	3737378.19	3.37E-09	0.00E+00	0.00E+00	0.00E+00	3.37E-09	5.19E-10	0.00E+00	0.00E+00	0.00E+00	5.19E-10	3.45E-10	0.00E+00	0.00E+00	0.00E+00	3.45E-10
315	381039.03	3737378.19	3.77E-09	0.00E+00	0.00E+00	0.00E+00	3.77E-09	5.81E-10	0.00E+00	0.00E+00	0.00E+00	5.81E-10	3.86E-10	0.00E+00	0.00E+00	0.00E+00	3.86E-10
316	381069.03	3737378.19	4.12E-09	0.00E+00	0.00E+00	0.00E+00	4.12E-09	6.36E-10	0.00E+00	0.00E+00	0.00E+00	6.36E-10	4.22E-10	0.00E+00	0.00E+00	0.00E+00	4.22E-10
317	381099.03	3737378.19	4.48E-09	0.00E+00	0.00E+00	0.00E+00	4.48E-09	6.90E-10	0.00E+00	0.00E+00	0.00E+00	6.90E-10	4.59E-10	0.00E+00	0.00E+00	0.00E+00	4.59E-10

318	381129.03	3737378.19	4.87E-09	0.00E+00	0.00E+00	0.00E+00	4.87E-09	7.51E-10	0.00E+00	0.00E+00	0.00E+00	7.51E-10	4.99E-10	0.00E+00	0.00E+00	0.00E+00	4.99E-10
319	381159.03	3737378.19	5.28E-09	0.00E+00	0.00E+00	0.00E+00	5.28E-09	8.14E-10	0.00E+00	0.00E+00	0.00E+00	8.14E-10	5.41E-10	0.00E+00	0.00E+00	0.00E+00	5.41E-10
320	381189.03	3737378.19	5.70E-09	0.00E+00	0.00E+00	0.00E+00	5.70E-09	8.78E-10	0.00E+00	0.00E+00	0.00E+00	8.78E-10	5.84E-10	0.00E+00	0.00E+00	0.00E+00	5.84E-10
321	381219.03	3737378.19	6.13E-09	0.00E+00	0.00E+00	0.00E+00	6.13E-09	9.44E-10	0.00E+00	0.00E+00	0.00E+00	9.44E-10	6.27E-10	0.00E+00	0.00E+00	0.00E+00	6.27E-10
322	381249.03	3737378.19	6.50E-09	0.00E+00	0.00E+00	0.00E+00	6.50E-09	1.00E-09	0.00E+00	0.00E+00	0.00E+00	1.00E-09	6.65E-10	0.00E+00	0.00E+00	0.00E+00	6.65E-10
323	380919.03	3737408.19	2.40E-09	0.00E+00	0.00E+00	0.00E+00	2.40E-09	3.70E-10	0.00E+00	0.00E+00	0.00E+00	3.70E-10	2.46E-10	0.00E+00	0.00E+00	0.00E+00	2.46E-10
324	380949.03	3737408.19	2.64E-09	0.00E+00	0.00E+00	0.00E+00	2.64E-09	4.07E-10	0.00E+00	0.00E+00	0.00E+00	4.07E-10	2.71E-10	0.00E+00	0.00E+00	0.00E+00	2.71E-10
325	380979.03	3737408.19	2.90E-09	0.00E+00	0.00E+00	0.00E+00	2.90E-09	4.47E-10	0.00E+00	0.00E+00	0.00E+00	4.47E-10	2.97E-10	0.00E+00	0.00E+00	0.00E+00	2.97E-10
326	381009.03	3737408.19	3.21E-09	0.00E+00	0.00E+00	0.00E+00	3.21E-09	4.95E-10	0.00E+00	0.00E+00	0.00E+00	4.95E-10	3.29E-10	0.00E+00	0.00E+00	0.00E+00	3.29E-10
327	381039.03	3737408.19	3.55E-09	0.00E+00	0.00E+00	0.00E+00	3.55E-09	5.48E-10	0.00E+00	0.00E+00	0.00E+00	5.48E-10	3.64E-10	0.00E+00	0.00E+00	0.00E+00	3.64E-10
328	381069.03	3737408.19	3.87E-09	0.00E+00	0.00E+00	0.00E+00	3.87E-09	5.97E-10	0.00E+00	0.00E+00	0.00E+00	5.97E-10	3.97E-10	0.00E+00	0.00E+00	0.00E+00	3.97E-10
329	381099.03	3737408.19	4.20E-09	0.00E+00	0.00E+00	0.00E+00	4.20E-09	6.47E-10	0.00E+00	0.00E+00	0.00E+00	6.47E-10	4.30E-10	0.00E+00	0.00E+00	0.00E+00	4.30E-10
330	381129.03	3737408.19	4.56E-09	0.00E+00	0.00E+00	0.00E+00	4.56E-09	7.02E-10	0.00E+00	0.00E+00	0.00E+00	7.02E-10	4.67E-10	0.00E+00	0.00E+00	0.00E+00	4.67E-10
331	381159.03	3737408.19	4.90E-09	0.00E+00	0.00E+00	0.00E+00	4.90E-09	7.55E-10	0.00E+00	0.00E+00	0.00E+00	7.55E-10	5.02E-10	0.00E+00	0.00E+00	0.00E+00	5.02E-10
332	381189.03	3737408.19	5.24E-09	0.00E+00	0.00E+00	0.00E+00	5.24E-09	8.08E-10	0.00E+00	0.00E+00	0.00E+00	8.08E-10	5.37E-10	0.00E+00	0.00E+00	0.00E+00	5.37E-10
333	381219.03	3737408.19	5.61E-09	0.00E+00	0.00E+00	0.00E+00	5.61E-09	8.65E-10	0.00E+00	0.00E+00	0.00E+00	8.65E-10	5.75E-10	0.00E+00	0.00E+00	0.00E+00	5.75E-10
334	381249.03	3737408.19	5.95E-09	0.00E+00	0.00E+00	0.00E+00	5.95E-09	9.17E-10	0.00E+00	0.00E+00	0.00E+00	9.17E-10	6.09E-10	0.00E+00	0.00E+00	0.00E+00	6.09E-10
335	380949.03	3737438.19	2.51E-09	0.00E+00	0.00E+00	0.00E+00	2.51E-09	3.87E-10	0.00E+00	0.00E+00	0.00E+00	3.87E-10	2.57E-10	0.00E+00	0.00E+00	0.00E+00	2.57E-10
336	380979.03	3737438.19	2.77E-09	0.00E+00	0.00E+00	0.00E+00	2.77E-09	4.27E-10	0.00E+00	0.00E+00	0.00E+00	4.27E-10	2.83E-10	0.00E+00	0.00E+00	0.00E+00	2.83E-10
337	381009.03	3737438.19	3.07E-09	0.00E+00	0.00E+00	0.00E+00	3.07E-09	4.73E-10	0.00E+00	0.00E+00	0.00E+00	4.73E-10	3.14E-10	0.00E+00	0.00E+00	0.00E+00	3.14E-10
338	381039.03	3737438.19	3.36E-09	0.00E+00	0.00E+00	0.00E+00	3.36E-09	5.18E-10	0.00E+00	0.00E+00	0.00E+00	5.18E-10	3.44E-10	0.00E+00	0.00E+00	0.00E+00	3.44E-10
339	381069.03	3737438.19	3.65E-09	0.00E+00	0.00E+00	0.00E+00	3.65E-09	5.62E-10	0.00E+00	0.00E+00	0.00E+00	5.62E-10	3.73E-10	0.00E+00	0.00E+00	0.00E+00	3.73E-10
340	381099.03	3737438.19	3.95E-09	0.00E+00	0.00E+00	0.00E+00	3.95E-09	6.09E-10	0.00E+00	0.00E+00	0.00E+00	6.09E-10	4.05E-10	0.00E+00	0.00E+00	0.00E+00	4.05E-10
341	381129.03	3737438.19	4.26E-09	0.00E+00	0.00E+00	0.00E+00	4.26E-09	6.57E-10	0.00E+00	0.00E+00	0.00E+00	6.57E-10	4.36E-10	0.00E+00	0.00E+00	0.00E+00	4.36E-10
342	381159.03	3737438.19	4.56E-09	0.00E+00	0.00E+00	0.00E+00	4.56E-09	7.02E-10	0.00E+00	0.00E+00	0.00E+00	7.02E-10	4.67E-10	0.00E+00	0.00E+00	0.00E+00	4.67E-10
343	381189.03	3737438.19	4.86E-09	0.00E+00	0.00E+00	0.00E+00	4.86E-09	7.49E-10	0.00E+00	0.00E+00	0.00E+00	7.49E-10	4.98E-10	0.00E+00	0.00E+00	0.00E+00	4.98E-10
344	381219.03	3737438.19	5.19E-09	0.00E+00	0.00E+00	0.00E+00	5.19E-09	7.99E-10	0.00E+00	0.00E+00	0.00E+00	7.99E-10	5.31E-10	0.00E+00	0.00E+00	0.00E+00	5.31E-10
345	381249.03	3737438.19	5.47E-09	0.00E+00	0.00E+00	0.00E+00	5.47E-09	8.43E-10	0.00E+00	0.00E+00	0.00E+00	8.43E-10	5.60E-10	0.00E+00	0.00E+00	0.00E+00	5.60E-10
346	380949.03	3737468.19	2.39E-09	0.00E+00	0.00E+00	0.00E+00	2.39E-09	3.68E-10	0.00E+00	0.00E+00	0.00E+00	3.68E-10	2.45E-10	0.00E+00	0.00E+00	0.00E+00	2.45E-10
347	380979.03	3737468.19	2.64E-09	0.00E+00	0.00E+00	0.00E+00	2.64E-09	4.07E-10	0.00E+00	0.00E+00	0.00E+00	4.07E-10	2.70E-10	0.00E+00	0.00E+00	0.00E+00	2.70E-10
348	381009.03	3737468.19	2.91E-09	0.00E+00	0.00E+00	0.00E+00	2.91E-09	4.49E-10	0.00E+00	0.00E+00	0.00E+00	4.49E-10	2.98E-10	0.00E+00	0.00E+00	0.00E+00	2.98E-10
349	381039.03	3737468.19	3.17E-09	0.00E+00	0.00E+00	0.00E+00	3.17E-09	4.88E-10	0.00E+00	0.00E+00	0.00E+00	4.88E-10	3.24E-10	0.00E+00	0.00E+00	0.00E+00	3.24E-10
350	381069.03	3737468.19	3.44E-09	0.00E+00	0.00E+00	0.00E+00	3.44E-09	5.30E-10	0.00E+00	0.00E+00	0.00E+00	5.30E-10	3.52E-10	0.00E+00	0.00E+00	0.00E+00	3.52E-10
351	381099.03	3737468.19	3.73E-09	0.00E+00	0.00E+00	0.00E+00	3.73E-09	5.75E-10	0.00E+00	0.00E+00	0.00E+00	5.75E-10	3.82E-10	0.00E+00	0.00E+00	0.00E+00	3.82E-10
352	381129.03	3737468.19	3.99E-09	0.00E+00	0.00E+00	0.00E+00	3.99E-09	6.15E-10	0.00E+00	0.00E+00	0.00E+00	6.15E-10	4.09E-10	0.00E+00	0.00E+00	0.00E+00	4.09E-10
353	381159.03	3737468.19	4.24E-09	0.00E+00	0.00E+00	0.00E+00	4.24E-09	6.54E-10	0.00E+00	0.00E+00	0.00E+00	6.54E-10	4.34E-10	0.00E+00	0.00E+00	0.00E+00	4.34E-10
354	381189.03	3737468.19	4.53E-09	0.00E+00	0.00E+00	0.00E+00	4.53E-09	6.97E-10	0.00E+00	0.00E+00	0.00E+00	6.97E-10	4.64E-10	0.00E+00	0.00E+00	0.00E+00	4.64E-10
355	381219.03	3737468.19	4.82E-09	0.00E+00	0.00E+00	0.00E+00	4.82E-09	7.44E-10	0.00E+00	0.00E+00	0.00E+00	7.44E-10	4.94E-10	0.00E+00	0.00E+00	0.00E+00	4.94E-10
356	381249.03	3737468.19	5.06E-09	0.00E+00	0.00E+00	0.00E+00	5.06E-09	7.80E-10	0.00E+00	0.00E+00	0.00E+00	7.80E-10	5.18E-10	0.00E+00	0.00E+00	0.00E+00	5.18E-10
357	380979.03	3737498.19	2.51E-09	0.00E+00	0.00E+00	0.00E+00	2.51E-09	3.87E-10	0.00E+00	0.00E+00	0.00E+00	3.87E-10	2.57E-10	0.00E+00	0.00E+00	0.00E+00	2.57E-10
358	381009.03	3737498.19	2.75E-09	0.00E+00	0.00E+00	0.00E+00	2.75E-09	4.24E-10	0.00E+00	0.00E+00	0.00E+00	4.24E-10	2.82E-10	0.00E+00	0.00E+00	0.00E+00	2.82E-10
359	381039.03	3737498.19	3.00E-09	0.00E+00	0.00E+00	0.00E+00	3.00E-09	4.62E-10	0.00E+00	0.00E+00	0.00E+00	4.62E-10	3.07E-10	0.00E+00	0.00E+00	0.00E+00	3.07E-10
360	381069.03	3737498.19	3.25E-09	0.00E+00	0.00E+00	0.00E+00	3.25E-09	5.01E-10	0.00E+00	0.00E+00	0.00E+00	5.01E-10	3.33E-10	0.00E+00	0.00E+00	0.00E+00	3.33E-10
361	381099.03	3737498.19	3.52E-09	0.00E+00	0.00E+00	0.00E+00	3.52E-09	5.42E-10	0.00E+00	0.00E+00	0.00E+00	5.42E-10	3.60E-10	0.00E+00	0.00E+00	0.00E+00	3.60E-10
362	381129.03	3737498.19	3.75E-09	0.00E+00	0.00E+00	0.00E+00	3.75E-09	5.78E-10	0.00E+00	0.00E+00	0.00E+00	5.78E-10	3.84E-10	0.00E+00	0.00E+00	0.00E+00	3.84E-10
363	381159.03	3737498.19	3.97E-09	0.00E+00	0.00E+00	0.00E+00	3.97E-09	6.13E-10	0.00E+00	0.00E+00	0.00E+00	6.13E-10	4.07E-10	0.00E+00	0.00E+00	0.00E+00	4.07E-10
364	381189.03	3737498.19	4.22E-09	0.00E+00	0.00E+00	0.00E+00	4.22E-09	6.51E-10	0.00E+00	0.00E+00	0.00E+00	6.51E-10	4.33E-10	0.00E+00	0.00E+00	0.00E+00	4.33E-10
365	381219.03	3737498.19	4.49E-09	0.00E+00	0.00E+00	0.00E+00	4.49E-09	6.92E-10	0.00E+00	0.00E+00	0.00E+00	6.92E-10	4.60E-10	0.00E+00	0.00E+00	0.00E+00	4.60E-10
366	381249.03	3737498.19	4.69E-09	0.00E+00	0.00E+00	0.00E+00	4.69E-09	7.22E-10	0.00E+00	0.00E+00	0.00E+00	7.22E-10	4.80E-10	0.00E+00	0.00E+00	0.00E+00	4.80E-10
367	380979.03	3737528.19	2.38E-09	0.00E+00	0.00E+00	0.00E+00	2.38E-09	3.67E-10	0.00E+00	0.00E+00	0.00E+00	3.67E-10	2.44E-10	0.00E+00	0.00E+00	0.00E+00	2.44E-10
368	381009.03	3737528.19	2.60E-09	0.00E+00	0.00E+00	0.00E+00	2.60E-09	4.01E-10	0.00E+00	0.00E+00	0.00E+00	4.01E-10	2.67E-10	0.00E+00	0.00E+00	0.00E+00	2.67E-10
369	381039.03	3737528.19	2.84E-09	0.00E+00	0.00E+00	0.00E+00	2.84E-09	4.38E-10	0.00E+00	0.00E+00	0.00E+00	4.38E-10	2.91E-10	0.00E+00	0.00E+00	0.00E+00	2.91E-10
370	381069.03	3737528.19	3.09E-09	0.00E+00	0.00E+00	0.00E+00	3.09E-09	4.76E-10	0.00E+00	0.00E+00	0.00E+00	4.76E-10	3.16E-10	0.00E+00	0.00E+00	0.00E+00	3.16E-10
371	381099.03	3737528.19	3.32E-09	0.00E+00	0.00E+00	0.00E+00	3.32E-09	5.12E-10	0.00E+00	0.00E+00	0.00E+00	5.12E-10	3.41E-10	0.00E+00	0.00E+00	0.00E+00	3.41E-10
372	381129.03	3737528.19	3.54E-09	0.00E+00	0.00E+00	0.00E+00	3.54E-09	5.46E-10	0.00E+00	0.00E+00	0.00E+00	5.46E-10	3.63E-10	0.00E+00	0.00E+00	0.00E+00	3.63E-10
373	381159.03	3737528.19	3.74E-09	0.00E+00	0.00E+00	0.00E+00	3.74E-09	5.77E-10	0.00E+00	0.00E+00	0.00E+00	5.77E-10	3.83E-10	0.00E+00	0.00E+00	0.00E+00	3.83E-10
374	381189.03	3737528.19	3.96E-09	0.00E+00	0.00E+00	0.00E+00	3.96E-09	6.11E-10	0.00E+00	0.00E+00	0.00E+00	6.11E-10	4.06E-10	0.00E+00	0.00E+00	0.00E+00	4.06E-10
375	381219.03	3737528.19	4.18E-09	0.00E+00	0.00E+00	0.00E+00	4.18E-09	6.44E-10	0.00E+00	0.00E+00	0.00E+00	6.44E-10	4.28E-10	0.00E+00	0.00E+00	0.00E+00	4.28E-10
376	381249.03	3737528.19	4.33E-09	0.00E+00	0.00E+00	0.00E+00	4.33E-09	6.68E-10	0.00E+00	0.00E+00	0.00E+00	6.68E-10	4.44E-10	0.00E+00	0.00E+00	0.00E+00	4.44E-10
377	380979.03	3737558.19	2.27E-09	0.00E+00	0.00E+00	0.00E+00	2.27E-09	3.50E-10	0.00E+00	0.00E+00	0.00E+00	3.50E-10	2.33E-10	0.00E+00	0.00E+00	0.00E+00	2.33E-10
378	381009.03	3737558.19	2.47E-09	0.00E+00	0.00E+00	0.00E+00	2.47E-09	3.81E-10	0.00E+00	0.00E+00	0.00E+00	3.81E-10	2.53E-10	0.00E+00	0.00E+00	0.00E+00	2.53E-10
379	381039.03	3737558.19	2.70E-09	0.00E+00	0.00E+00	0.00E+00	2.70E-09	4.16E-10	0.00E+00	0.00E+00	0.00E+00	4.16E-10	2.77E-10	0.00E+00	0.00E+00	0.00E+00	2.77E-10
380	381069.03	3737558.19	2.93E-09	0.00E+00	0.00E+00	0.00E+00	2.93E-09	4.51E-10	0.00E+00	0.00E+00	0.00E+00	4.51E-10	3.00E-10	0.00E+00	0.00E+00	0.00E+00	3.00E-10
381	381099.03	3737558.19	3.14E-09	0.00E+00	0.00E+00	0.00E+00	3.14E-09	4.83E-10	0.00E+00	0.00E+00	0.00E+00	4.83E-10	3.21E-10	0.00E+00	0.00E+00	0.00E+00	3.21E-10
382	381129.03	3737558.19	3.34E-09	0.00E+00	0.00E+00	0.00E+00	3.34E-09	5.14E-10	0.00E+00	0.00E+00	0.00E+00	5.14E-10	3.42E-10	0.00E+00	0.00E+00	0.00E+00	3.42E-10
383	381159.03	3737558.19	3.53E-09	0.00E+00	0.00E+00	0.00E+00	3.53E-09	5.44E-10	0.00E+00	0.00E+00	0.00E+00	5.44E-10	3.61E-10	0.00E+00	0.00E+00	0.00E+00	3.61E-10
384	381189.03	3737558.19	3.72E-09	0.00E+00	0.00E+00	0.00E+00	3.72E-09	5.73E-10	0.00E+00	0.00E+00	0.00E+00	5.73E-10	3.81E-10	0.00E+00	0.00E+00	0.00E+00	3.81E-10
385	381219.03	3737558.19	3.89E-09	0.00E+00	0.00E+00	0.00E+00	3.89E-09	6.00E-10	0.00E+00	0.00E+00	0.00E+00	6.00E-10	3.99E-10	0.00E+00	0.00E+00	0.00E+00	3.99E-10
386	381249.03	3737558.19	4.03E-09	0.00E+00	0.00E+00	0.00E+00	4.03E-09	6.21E-10	0.00E+00	0.00E+00	0.00E+00	6.21E-10	4.12E-10	0.00E+00	0.00E+00	0.00E+00	4.12E-10
387	381009.03	3737588.19	2.36E-09	0.00E+00	0.00E+00	0.00E+00	2.36E-09	3.64E-10	0.00E+00	0.00E+00	0.00E+00	3.64E-10	2.42E-10	0.00E+00	0.00E+00	0.00E+00	2.42E-10
388	381039.03	3737588.19	2.56E-09	0.00E+00	0.00E+00	0.00E+00	2.56E-09	3.95E-10	0.00E+00	0.00E+00	0.00E+00	3.95E-10	2.62E-10	0.00E+00	0.00E+00	0.00E+00	2.62E-10
389	381069.03	3737588.19	2.77E-09	0.00E+00	0.00E+00	0.00E+00	2.77E-09	4.26E-10	0.00E+00	0.00E+00	0.00E+00	4.26E-10	2.83E-10	0.00E+00	0.00E+00	0.00E+00	2.83E-10
390	381099.03	3737588.19	2.96E-09	0.00E+00	0.00E+00	0.00E+00	2.96E-09	4.56E-10	0.00E+00	0.00E+00	0.00E+00	4.56E-10	3.03E-10	0.00E+00	0.00E+00	0.00E+00	3.03E-10
391	381129.03	3737588.19	3.14E-09	0.00E+00	0.00E+00	0.00E+00	3.14E-09	4.84E-10	0.00E+00	0.00E+00	0.00E+00	4.84E-10	3.22E-10	0.00E+00	0.00E+00	0.00E+00	3.22E-10
392	381159.03	3737588.19	3.32E-09	0.00E+00	0.00E+00	0.00E+00	3.32E-09	5.11E-10	0.00E+00	0.00E+00	0.00E+00	5.11E-10	3.40E-10	0.00E+00	0.00E+00	0.00E+00	3.40E-10
393	381189.03	3737588.19	3.49E-09	0.00E+00	0.00E+00	0.00E+00	3.49E-09	5.37E-10	0.00E+00	0.00E+00	0.00E+00	5.37E-10	3.57E-10	0.00E+00	0.00E+00	0.00E+00	3.57E-10
394	381219.03	3737588.19	3.63E-09	0.00E+00	0.00E+00	0.00E+00	3.63E-09	5.60E-10	0.00E+00	0.00E+00	0.00E+00	5.60E-10	3.72E-10	0.00E+00	0.00E+00	0.00E+00	3.72E-10
395	381249.03	3737588.19	3.75E-09	0.00E+00	0.00E+00	0.00E+00	3.75E-09	5.79E-10	0.00E+00	0.00E+00	0.00E+00	5.79E-10	3.85E-10	0.00E+00	0.00E+00	0.00E+00	3.85E-10
396	381009.03	3737618.19	2.28E-09	0.00E+00	0.00E+00	0.00E+00	2.28E-09	3.51E-10	0.00E+00	0.00E+00	0.00E+00	3.51E-10	2.33E-10	0.00E+00	0.00E+00	0.00E+00	2.33E-10
397	381039.03	3737618.19	2.45E-09	0.00E+00	0.00E+00	0.00E+00	2.45E-09	3.78E-10	0.00E+00	0.00E+00	0.00E+00	3.78E-10	2.51E-10	0.00E+00	0.00E+00	0.00E+00	2.51E-10
398	381069.03	3737618.19	2.63E-09	0.00E+00	0.00E+00	0.00E+00	2.63E-09	4.05E-10	0.00E+00	0.00E+00	0.00E+00	4.05E-10	2.69E-10	0.00E+00	0.00E+00	0.00E+00	2.69E-10
399	381099.03	3737618.19	2.80E-09	0.00E+00	0.00E+00	0.00E+00	2.80E-09	4.32E-10	0.00E+00	0.00E+00	0.00E+00	4.32E-10	2.87E-10	0.00E+00	0.00E+00	0.00E+00	2.87E-10
400	381129.03	3737618.19	2.96E-09	0.00E+00	0.00E+00	0.00E+00	2.96E-09	4.57E-10	0.00E+00	0.00E+00	0.00E+00	4.57E-10	3.03E-10	0.00E+00	0.00E+00	0.00E+00	3.03E-10
401	381159.03	3737618.19	3.13E-09	0.00E+00	0.00E+00	0.00E+00	3.13E-09	4.82E-10	0.00E+00	0.00E+00	0.00E+00	4.82E-10	3.20E-10	0.00E+00	0.00E+00	0.00E+00	3.20E-10
402	381189.03	3737618.19	3.28E-09	0.00E+00	0.00E+00	0.00E+00	3.28E-09	5.05E-10	0.00E+00	0.00E+00	0.00E+00	5.05E-10	3.35E-10	0.00E+00	0.00E+00	0.00E+00	3.35E-10
403	381219.03	3737618.19	3.40E-09	0.00E+00	0.00E+00	0.00E+00	3.40E-09	5.24E-10	0.00E+00	0.00E+00	0.00E+00	5.24E-10	3.48E-10	0.00E+00	0.00E+00	0.00E+00	3.48E-10
404	381249.03	3737618.19	3.51E-09	0.00E+00	0.00E+00	0.00E+00	3.51E-09	5.42E-10	0.00E+00	0.00E+00	0.00E+00	5.42E-10	3.60E-10	0.00E+00	0.00E+00	0.00E+00	3.60E-10
405	381039.03	3737648.19	2.33E-09	0.00E+00	0.00E+00	0.00E+00	2.33E-09	3.59E-10	0.00E+00	0.00E+00	0.00E+00	3.59E-10	2.38E-10	0.00E+00	0.00E+00	0.00E+00	2.38E-10
406	381069.03	3737648.19	2.49E-09	0.00E+00	0.00E+00	0.00E+00	2.49E-09	3.84E-10	0.00E+00	0.00E+00	0.00E+00	3.84E-10	2.55E-10	0.00E+00	0.00E+00	0.00E+00	2.55E-10
407	381099.03	3737648.19	2.66E-09	0.00E+00	0.00E+00	0.00E+00	2.66E-09	4.10E-10	0.00E+00	0.00E+00	0.00E+00	4.10E-10	2.72E-10	0.00E+00	0.00E+00	0.00E+00	2.72E-10
408	381129.03	3737648.19	2.81E-09	0.00E+00	0.00E+00	0.00E+00	2.81E-09	4.33E-10	0.00E+00	0.00E+00	0.00E+00	4.33E-10	2.87E-10	0.00E+00	0.00E+00	0.00E+00	2.87E-10
409	381159.03	3737648.19	2.95E-09	0.00E+00	0.00E+00	0.00E+00	2.95E-09	4.54E-10	0.00E+00	0.00E+00	0.00E+00	4.54E-10	3.02E-10	0.00E+00	0.00E+00	0.00E+00	3.02E-10
410	381189.03	3737648.19	3.08E-09	0.00E+00	0.00E+00	0.00E+00	3.08E-09	4.75E-10	0.00E+00	0.00E+00	0.00E+00	4.75E-10	3.16E-10	0.00E+00	0.00E+00	0.00E+00	3.16E-10
411	381219.03	3737648.19	3.20E-09	0.00E+00	0.00E+00	0.00E+00	3.20E-09	4.93E-10	0.00E+00	0.00E+00	0.00E+00	4.93E-10	3.28E-10	0.00E+00	0.00E+00	0.00E+00	3.28E-10
412	381249.03	3737648.19	3.29E-09	0.00E+00	0.00E+00	0.00E+00	3.29E-09	5.07E-10	0.00E+00	0.00E+00	0.00E+00	5.07E-10	3.37E-10	0.00E+00	0.00E+00	0.00E+00	3.37E-10
413	381039.03	3737678.19	2.22E-09	0.00E+00	0.00E+00	0.00E+00	2.22E-09	3.42E-10	0.00E+00	0.00E+00	0.00E+00	3.42E-10	2.27E-10	0.00E+00	0.00E+00	0.00E+00	2.27E-10
414	381069.03	3737678.19	2.38E-09	0.00E+00	0.00E+00	0.00E+00	2.38E-09	3.66E-10	0.00E+00	0.00E+00	0.00E+00	3.66E-10	2.44E-10	0.00E+00	0.00E+00	0.00E+00	2.44E-10
415	381099.03	3737678.19	2.53E-09	0.00E+00	0.00E+00	0.00E+00	2.53E-09	3.89E-10	0.00E+00	0.00E+00	0.00E+00	3.89E-10	2.59E-10	0.00E+00	0.00E+00	0.00E+00	2.59E-10
416	381129.03	3737678.19	2.65E-09	0.00E+00	0.00E+00	0.00E+00	2.65E-09	4.08E-10	0.00E+00	0.00E+00	0.00E+00	4.08E-10	2.71E-10	0.00E+00	0.00E+00	0.00E+00	2.71E-10
417	381159.03	3737678.19	2.78E-09	0.00E+00	0.00E+00	0.00E+00	2.78E-09	4.28E-10	0.00E+00	0.00E+00	0.00E+00	4.28E-10	2.84E-10	0.00E+00	0.00E+00	0.00E+00	2.84E-10
418	381189.03	3737678.19	2.90E-09	0.00E+00	0.00E+00	0.00E+00	2.90E-09	4.47E-10	0.00E+00	0.00E+00	0.00E+00	4.47E-10	2.97E-10	0.00E+00	0.00E+00	0.00E+00	2.97E-10
419	381219.03	3737678.19	3.00E-09	0.00E+00	0.00E+00	0.00E+00	3.00E-09	4.63E-10	0.00E+00	0.00E+00	0.00E+00	4.63E-10	3.08E-10	0.00E+00	0.00E+00	0.00E+00	3.08E-10
420	381249.03	3737678.19	3.08E-09	0.00E+00	0.00E+00	0.00E+00	3.08E-09	4.74E-10	0.00E+00	0.00E+00	0.00E+00	4.74E-10	3.15E-10	0.00E+00	0.00E+00	0.00E+00	3.15E-10
421	380645.78	3736414.3	7.03E-09	0.00E+00	0.00E+00	0.00E+00	7.03E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09	7.20E-10	0.00E+00	0.00E+00	0.00E+00	7.20E-10
422	380675.78	3736414.3	9.82E-09	0.00E+00	0.00E+00	0.00E+00	9.82E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
423	380705.78	3736414.3	1.40E-08	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.15E-09	0.00E+00	0.00E+00	0.00E+00	2.15E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
424	380735.78	3736414.3	1.99E-08	0.00E+00	0.00E+00	0.00E+00	1.99E-08	3.07E-09	0.00E+00	0.00E+00	0.00E+00	3.07E-09	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09

425	380615.78	3736444.3	4.53E-09	0.00E+00	0.00E+00	0.00E+00	4.53E-09	6.99E-10	0.00E+00	0.00E+00	0.00E+00	6.99E-10	4.64E-10	0.00E+00	0.00E+00	0.00E+00	4.64E-10
426	380645.78	3736444.3	6.35E-09	0.00E+00	0.00E+00	0.00E+00	6.35E-09	9.79E-10	0.00E+00	0.00E+00	0.00E+00	9.79E-10	6.51E-10	0.00E+00	0.00E+00	0.00E+00	6.51E-10
427	380675.78	3736444.3	8.59E-09	0.00E+00	0.00E+00	0.00E+00	8.59E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09	8.80E-10	0.00E+00	0.00E+00	0.00E+00	8.80E-10
428	380705.78	3736444.3	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
429	380735.78	3736444.3	1.67E-08	0.00E+00	0.00E+00	0.00E+00	1.67E-08	2.58E-09	0.00E+00	0.00E+00	0.00E+00	2.58E-09	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09
430	380765.78	3736444.3	2.35E-08	0.00E+00	0.00E+00	0.00E+00	2.35E-08	3.62E-09	0.00E+00	0.00E+00	0.00E+00	3.62E-09	2.40E-09	0.00E+00	0.00E+00	0.00E+00	2.40E-09
431	380615.78	3736474.3	4.16E-09	0.00E+00	0.00E+00	0.00E+00	4.16E-09	6.42E-10	0.00E+00	0.00E+00	0.00E+00	6.42E-10	4.26E-10	0.00E+00	0.00E+00	0.00E+00	4.26E-10
432	380645.78	3736474.3	5.70E-09	0.00E+00	0.00E+00	0.00E+00	5.70E-09	8.79E-10	0.00E+00	0.00E+00	0.00E+00	8.79E-10	5.84E-10	0.00E+00	0.00E+00	0.00E+00	5.84E-10
433	380675.78	3736474.3	7.61E-09	0.00E+00	0.00E+00	0.00E+00	7.61E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09	7.79E-10	0.00E+00	0.00E+00	0.00E+00	7.79E-10
434	380705.78	3736474.3	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
435	380735.78	3736474.3	1.42E-08	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.19E-09	0.00E+00	0.00E+00	0.00E+00	2.19E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09
436	380765.78	3736474.3	1.96E-08	0.00E+00	0.00E+00	0.00E+00	1.96E-08	3.03E-09	0.00E+00	0.00E+00	0.00E+00	3.03E-09	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09
437	380795.78	3736474.3	2.69E-08	0.00E+00	0.00E+00	0.00E+00	2.69E-08	4.14E-09	0.00E+00	0.00E+00	0.00E+00	4.14E-09	2.75E-09	0.00E+00	0.00E+00	0.00E+00	2.75E-09
438	380615.78	3736504.3	3.75E-09	0.00E+00	0.00E+00	0.00E+00	3.75E-09	5.78E-10	0.00E+00	0.00E+00	0.00E+00	5.78E-10	3.84E-10	0.00E+00	0.00E+00	0.00E+00	3.84E-10
439	380645.78	3736504.3	5.07E-09	0.00E+00	0.00E+00	0.00E+00	5.07E-09	7.82E-10	0.00E+00	0.00E+00	0.00E+00	7.82E-10	5.20E-10	0.00E+00	0.00E+00	0.00E+00	5.20E-10
440	380675.78	3736504.3	6.75E-09	0.00E+00	0.00E+00	0.00E+00	6.75E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09	6.92E-10	0.00E+00	0.00E+00	0.00E+00	6.92E-10
441	380705.78	3736504.3	9.09E-09	0.00E+00	0.00E+00	0.00E+00	9.09E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09	9.31E-10	0.00E+00	0.00E+00	0.00E+00	9.31E-10
442	380735.78	3736504.3	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.90E-09	0.00E+00	0.00E+00	0.00E+00	1.90E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
443	380765.78	3736504.3	1.70E-08	0.00E+00	0.00E+00	0.00E+00	1.70E-08	2.62E-09	0.00E+00	0.00E+00	0.00E+00	2.62E-09	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09
444	380795.78	3736504.3	2.32E-08	0.00E+00	0.00E+00	0.00E+00	2.32E-08	3.57E-09	0.00E+00	0.00E+00	0.00E+00	3.57E-09	2.38E-09	0.00E+00	0.00E+00	0.00E+00	2.38E-09
445	380825.78	3736504.3	3.06E-08	0.00E+00	0.00E+00	0.00E+00	3.06E-08	4.72E-09	0.00E+00	0.00E+00	0.00E+00	4.72E-09	3.14E-09	0.00E+00	0.00E+00	0.00E+00	3.14E-09
446	380855.78	3736504.3	3.89E-08	0.00E+00	0.00E+00	0.00E+00	3.89E-08	6.00E-09	0.00E+00	0.00E+00	0.00E+00	6.00E-09	3.99E-09	0.00E+00	0.00E+00	0.00E+00	3.99E-09
447	380615.78	3736534.3	3.49E-09	0.00E+00	0.00E+00	0.00E+00	3.49E-09	5.38E-10	0.00E+00	0.00E+00	0.00E+00	5.38E-10	3.57E-10	0.00E+00	0.00E+00	0.00E+00	3.57E-10
448	380645.78	3736534.3	4.64E-09	0.00E+00	0.00E+00	0.00E+00	4.64E-09	7.15E-10	0.00E+00	0.00E+00	0.00E+00	7.15E-10	4.75E-10	0.00E+00	0.00E+00	0.00E+00	4.75E-10
449	380675.78	3736534.3	6.14E-09	0.00E+00	0.00E+00	0.00E+00	6.14E-09	9.46E-10	0.00E+00	0.00E+00	0.00E+00	9.46E-10	6.29E-10	0.00E+00	0.00E+00	0.00E+00	6.29E-10
450	380705.78	3736534.3	8.21E-09	0.00E+00	0.00E+00	0.00E+00	8.21E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09	8.40E-10	0.00E+00	0.00E+00	0.00E+00	8.40E-10
451	380735.78	3736534.3	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
452	380765.78	3736534.3	1.49E-08	0.00E+00	0.00E+00	0.00E+00	1.49E-08	2.30E-09	0.00E+00	0.00E+00	0.00E+00	2.30E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09
453	380795.78	3736534.3	2.07E-08	0.00E+00	0.00E+00	0.00E+00	2.07E-08	3.19E-09	0.00E+00	0.00E+00	0.00E+00	3.19E-09	2.12E-09	0.00E+00	0.00E+00	0.00E+00	2.12E-09
454	380825.78	3736534.3	2.70E-08	0.00E+00	0.00E+00	0.00E+00	2.70E-08	4.16E-09	0.00E+00	0.00E+00	0.00E+00	4.16E-09	2.76E-09	0.00E+00	0.00E+00	0.00E+00	2.76E-09
455	380855.78	3736534.3	3.23E-08	0.00E+00	0.00E+00	0.00E+00	3.23E-08	4.97E-09	0.00E+00	0.00E+00	0.00E+00	4.97E-09	3.30E-09	0.00E+00	0.00E+00	0.00E+00	3.30E-09
456	380885.78	3736534.3	4.05E-08	0.00E+00	0.00E+00	0.00E+00	4.05E-08	6.24E-09	0.00E+00	0.00E+00	0.00E+00	6.24E-09	4.15E-09	0.00E+00	0.00E+00	0.00E+00	4.15E-09
457	380615.78	3736564.3	3.32E-09	0.00E+00	0.00E+00	0.00E+00	3.32E-09	5.12E-10	0.00E+00	0.00E+00	0.00E+00	5.12E-10	3.40E-10	0.00E+00	0.00E+00	0.00E+00	3.40E-10
458	380645.78	3736564.3	4.32E-09	0.00E+00	0.00E+00	0.00E+00	4.32E-09	6.65E-10	0.00E+00	0.00E+00	0.00E+00	6.65E-10	4.42E-10	0.00E+00	0.00E+00	0.00E+00	4.42E-10
459	380675.78	3736564.3	5.67E-09	0.00E+00	0.00E+00	0.00E+00	5.67E-09	8.73E-10	0.00E+00	0.00E+00	0.00E+00	8.73E-10	5.80E-10	0.00E+00	0.00E+00	0.00E+00	5.80E-10
460	380705.78	3736564.3	7.35E-09	0.00E+00	0.00E+00	0.00E+00	7.35E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09	7.53E-10	0.00E+00	0.00E+00	0.00E+00	7.53E-10
461	380735.78	3736564.3	9.75E-09	0.00E+00	0.00E+00	0.00E+00	9.75E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09	9.99E-10	0.00E+00	0.00E+00	0.00E+00	9.99E-10
462	380765.78	3736564.3	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
463	380795.78	3736564.3	1.79E-08	0.00E+00	0.00E+00	0.00E+00	1.79E-08	2.75E-09	0.00E+00	0.00E+00	0.00E+00	2.75E-09	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09
464	380825.78	3736564.3	2.29E-08	0.00E+00	0.00E+00	0.00E+00	2.29E-08	3.53E-09	0.00E+00	0.00E+00	0.00E+00	3.53E-09	2.34E-09	0.00E+00	0.00E+00	0.00E+00	2.34E-09
465	380855.78	3736564.3	2.70E-08	0.00E+00	0.00E+00	0.00E+00	2.70E-08	4.16E-09	0.00E+00	0.00E+00	0.00E+00	4.16E-09	2.76E-09	0.00E+00	0.00E+00	0.00E+00	2.76E-09
466	380885.78	3736564.3	3.36E-08	0.00E+00	0.00E+00	0.00E+00	3.36E-08	5.18E-09	0.00E+00	0.00E+00	0.00E+00	5.18E-09	3.44E-09	0.00E+00	0.00E+00	0.00E+00	3.44E-09
467	380915.78	3736564.3	4.14E-08	0.00E+00	0.00E+00	0.00E+00	4.14E-08	6.38E-09	0.00E+00	0.00E+00	0.00E+00	6.38E-09	4.24E-09	0.00E+00	0.00E+00	0.00E+00	4.24E-09
468	380615.78	3736594.3	3.19E-09	0.00E+00	0.00E+00	0.00E+00	3.19E-09	4.91E-10	0.00E+00	0.00E+00	0.00E+00	4.91E-10	3.26E-10	0.00E+00	0.00E+00	0.00E+00	3.26E-10
469	380645.78	3736594.3	4.02E-09	0.00E+00	0.00E+00	0.00E+00	4.02E-09	6.20E-10	0.00E+00	0.00E+00	0.00E+00	6.20E-10	4.12E-10	0.00E+00	0.00E+00	0.00E+00	4.12E-10
470	380675.78	3736594.3	5.13E-09	0.00E+00	0.00E+00	0.00E+00	5.13E-09	7.91E-10	0.00E+00	0.00E+00	0.00E+00	7.91E-10	5.25E-10	0.00E+00	0.00E+00	0.00E+00	5.25E-10
471	380705.78	3736594.3	6.60E-09	0.00E+00	0.00E+00	0.00E+00	6.60E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09	6.76E-10	0.00E+00	0.00E+00	0.00E+00	6.76E-10
472	380735.78	3736594.3	8.58E-09	0.00E+00	0.00E+00	0.00E+00	8.58E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09	8.79E-10	0.00E+00	0.00E+00	0.00E+00	8.79E-10
473	380765.78	3736594.3	1.13E-08	0.00E+00	0.00E+00	0.00E+00	1.13E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
474	380795.78	3736594.3	1.48E-08	0.00E+00	0.00E+00	0.00E+00	1.48E-08	2.28E-09	0.00E+00	0.00E+00	0.00E+00	2.28E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09
475	380825.78	3736594.3	1.90E-08	0.00E+00	0.00E+00	0.00E+00	1.90E-08	2.93E-09	0.00E+00	0.00E+00	0.00E+00	2.93E-09	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09
476	380855.78	3736594.3	2.32E-08	0.00E+00	0.00E+00	0.00E+00	2.32E-08	3.58E-09	0.00E+00	0.00E+00	0.00E+00	3.58E-09	2.38E-09	0.00E+00	0.00E+00	0.00E+00	2.38E-09
477	380885.78	3736594.3	2.80E-08	0.00E+00	0.00E+00	0.00E+00	2.80E-08	4.32E-09	0.00E+00	0.00E+00	0.00E+00	4.32E-09	2.87E-09	0.00E+00	0.00E+00	0.00E+00	2.87E-09
478	380915.78	3736594.3	3.36E-08	0.00E+00	0.00E+00	0.00E+00	3.36E-08	5.18E-09	0.00E+00	0.00E+00	0.00E+00	5.18E-09	3.44E-09	0.00E+00	0.00E+00	0.00E+00	3.44E-09
479	380945.78	3736594.3	4.04E-08	0.00E+00	0.00E+00	0.00E+00	4.04E-08	6.23E-09	0.00E+00	0.00E+00	0.00E+00	6.23E-09	4.14E-09	0.00E+00	0.00E+00	0.00E+00	4.14E-09
480	380615.78	3736624.3	2.93E-09	0.00E+00	0.00E+00	0.00E+00	2.93E-09	4.51E-10	0.00E+00	0.00E+00	0.00E+00	4.51E-10	3.00E-10	0.00E+00	0.00E+00	0.00E+00	3.00E-10
481	380645.78	3736624.3	3.68E-09	0.00E+00	0.00E+00	0.00E+00	3.68E-09	5.67E-10	0.00E+00	0.00E+00	0.00E+00	5.67E-10	3.76E-10	0.00E+00	0.00E+00	0.00E+00	3.76E-10
482	380675.78	3736624.3	4.62E-09	0.00E+00	0.00E+00	0.00E+00	4.62E-09	7.13E-10	0.00E+00	0.00E+00	0.00E+00	7.13E-10	4.74E-10	0.00E+00	0.00E+00	0.00E+00	4.74E-10
483	380705.78	3736624.3	5.85E-09	0.00E+00	0.00E+00	0.00E+00	5.85E-09	9.02E-10	0.00E+00	0.00E+00	0.00E+00	9.02E-10	5.99E-10	0.00E+00	0.00E+00	0.00E+00	5.99E-10
484	380735.78	3736624.3	7.41E-09	0.00E+00	0.00E+00	0.00E+00	7.41E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09	7.59E-10	0.00E+00	0.00E+00	0.00E+00	7.59E-10
485	380765.78	3736624.3	9.38E-09	0.00E+00	0.00E+00	0.00E+00	9.38E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09	9.61E-10	0.00E+00	0.00E+00	0.00E+00	9.61E-10
486	380795.78	3736624.3	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
487	380825.78	3736624.3	1.54E-08	0.00E+00	0.00E+00	0.00E+00	1.54E-08	2.37E-09	0.00E+00	0.00E+00	0.00E+00	2.37E-09	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09
488	380855.78	3736624.3	1.87E-08	0.00E+00	0.00E+00	0.00E+00	1.87E-08	2.89E-09	0.00E+00	0.00E+00	0.00E+00	2.89E-09	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09
489	380885.78	3736624.3	2.27E-08	0.00E+00	0.00E+00	0.00E+00	2.27E-08	3.50E-09	0.00E+00	0.00E+00	0.00E+00	3.50E-09	2.32E-09	0.00E+00	0.00E+00	0.00E+00	2.32E-09
490	380915.78	3736624.3	2.66E-08	0.00E+00	0.00E+00	0.00E+00	2.66E-08	4.11E-09	0.00E+00	0.00E+00	0.00E+00	4.11E-09	2.73E-09	0.00E+00	0.00E+00	0.00E+00	2.73E-09
491	380945.78	3736624.3	3.15E-08	0.00E+00	0.00E+00	0.00E+00	3.15E-08	4.86E-09	0.00E+00	0.00E+00	0.00E+00	4.86E-09	3.23E-09	0.00E+00	0.00E+00	0.00E+00	3.23E-09
492	380975.78	3736624.3	3.72E-08	0.00E+00	0.00E+00	0.00E+00	3.72E-08	5.73E-09	0.00E+00	0.00E+00	0.00E+00	5.73E-09	3.81E-09	0.00E+00	0.00E+00	0.00E+00	3.81E-09
493	380615.78	3736654.3	2.70E-09	0.00E+00	0.00E+00	0.00E+00	2.70E-09	4.16E-10	0.00E+00	0.00E+00	0.00E+00	4.16E-10	2.76E-10	0.00E+00	0.00E+00	0.00E+00	2.76E-10
494	380645.78	3736654.3	3.37E-09	0.00E+00	0.00E+00	0.00E+00	3.37E-09	5.20E-10	0.00E+00	0.00E+00	0.00E+00	5.20E-10	3.45E-10	0.00E+00	0.00E+00	0.00E+00	3.45E-10
495	380675.78	3736654.3	4.19E-09	0.00E+00	0.00E+00	0.00E+00	4.19E-09	6.46E-10	0.00E+00	0.00E+00	0.00E+00	6.46E-10	4.30E-10	0.00E+00	0.00E+00	0.00E+00	4.30E-10
496	380705.78	3736654.3	5.25E-09	0.00E+00	0.00E+00	0.00E+00	5.25E-09	8.10E-10	0.00E+00	0.00E+00	0.00E+00	8.10E-10	5.38E-10	0.00E+00	0.00E+00	0.00E+00	5.38E-10
497	380735.78	3736654.3	6.55E-09	0.00E+00	0.00E+00	0.00E+00	6.55E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09	6.71E-10	0.00E+00	0.00E+00	0.00E+00	6.71E-10
498	380765.78	3736654.3	8.02E-09	0.00E+00	0.00E+00	0.00E+00	8.02E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09	8.21E-10	0.00E+00	0.00E+00	0.00E+00	8.21E-10
499	380795.78	3736654.3	9.95E-09	0.00E+00	0.00E+00	0.00E+00	9.95E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
500	380825.78	3736654.3	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
501	380855.78	3736654.3	1.55E-08	0.00E+00	0.00E+00	0.00E+00	1.55E-08	2.39E-09	0.00E+00	0.00E+00	0.00E+00	2.39E-09	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09
502	380885.78	3736654.3	1.87E-08	0.00E+00	0.00E+00	0.00E+00	1.87E-08	2.88E-09	0.00E+00	0.00E+00	0.00E+00	2.88E-09	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09
503	380915.78	3736654.3	2.20E-08	0.00E+00	0.00E+00	0.00E+00	2.20E-08	3.40E-09	0.00E+00	0.00E+00	0.00E+00	3.40E-09	2.26E-09	0.00E+00	0.00E+00	0.00E+00	2.26E-09
504	380945.78	3736654.3	2.60E-08	0.00E+00	0.00E+00	0.00E+00	2.60E-08	4.00E-09	0.00E+00	0.00E+00	0.00E+00	4.00E-09	2.66E-09	0.00E+00	0.00E+00	0.00E+00	2.66E-09
505	380975.78	3736654.3	2.98E-08	0.00E+00	0.00E+00	0.00E+00	2.98E-08	4.59E-09	0.00E+00	0.00E+00	0.00E+00	4.59E-09	3.05E-09	0.00E+00	0.00E+00	0.00E+00	3.05E-09
506	381005.78	3736654.3	3.47E-08	0.00E+00	0.00E+00	0.00E+00	3.47E-08	5.34E-09	0.00E+00	0.00E+00	0.00E+00	5.34E-09	3.55E-09	0.00E+00	0.00E+00	0.00E+00	3.55E-09
507	380645.78	3736684.3	3.08E-09	0.00E+00	0.00E+00	0.00E+00	3.08E-09	4.74E-10	0.00E+00	0.00E+00	0.00E+00	4.74E-10	3.15E-10	0.00E+00	0.00E+00	0.00E+00	3.15E-10
508	380675.78	3736684.3	3.80E-09	0.00E+00	0.00E+00	0.00E+00	3.80E-09	5.86E-10	0.00E+00	0.00E+00	0.00E+00	5.86E-10	3.90E-10	0.00E+00	0.00E+00	0.00E+00	3.90E-10
509	380705.78	3736684.3	4.79E-09	0.00E+00	0.00E+00	0.00E+00	4.79E-09	7.38E-10	0.00E+00	0.00E+00	0.00E+00	7.38E-10	4.91E-10	0.00E+00	0.00E+00	0.00E+00	4.91E-10
510	380735.78	3736684.3	5.96E-09	0.00E+00	0.00E+00	0.00E+00	5.96E-09	9.19E-10	0.00E+00	0.00E+00	0.00E+00	9.19E-10	6.11E-10	0.00E+00	0.00E+00	0.00E+00	6.11E-10
511	380765.78	3736684.3	7.18E-09	0.00E+00	0.00E+00	0.00E+00	7.18E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09	7.36E-10	0.00E+00	0.00E+00	0.00E+00	7.36E-10
512	380795.78	3736684.3	8.55E-09	0.00E+00	0.00E+00	0.00E+00	8.55E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09	8.75E-10	0.00E+00	0.00E+00	0.00E+00	8.75E-10
513	380825.78	3736684.3	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
514	380855.78	3736684.3	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.06E-09	0.00E+00	0.00E+00	0.00E+00	2.06E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
515	380885.78	3736684.3	1.60E-08	0.00E+00	0.00E+00	0.00E+00	1.60E-08	2.46E-09	0.00E+00	0.00E+00	0.00E+00	2.46E-09	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09
516	380915.78	3736684.3	1.90E-08	0.00E+00	0.00E+00	0.00E+00	1.90E-08	2.93E-09	0.00E+00	0.00E+00	0.00E+00	2.93E-09	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09
517	380945.78	3736684.3	2.22E-08	0.00E+00	0.00E+00	0.00E+00	2.22E-08	3.42E-09	0.00E+00	0.00E+00	0.00E+00	3.42E-09	2.27E-09	0.00E+00	0.00E+00	0.00E+00	2.27E-09
518	380975.78	3736684.3	2.52E-08	0.00E+00	0.00E+00	0.00E+00	2.52E-08	3.88E-09	0.00E+00	0.00E+00	0.00E+00	3.88E-09	2.58E-09	0.00E+00	0.00E+00	0.00E+00	2.58E-09
519	381005.78	3736684.3	2.83E-08	0.00E+00	0.00E+00	0.00E+00	2.83E-08	4.37E-09	0.00E+00	0.00E+00	0.00E+00	4.37E-09	2.90E-09	0.00E+00	0.00E+00	0.00E+00	2.90E-09
520	381035.78	3736684.3	3.39E-08	0.00E+00	0.00E+00	0.00E+00	3.39E-08	5.22E-09	0.00E+00	0.00E+00	0.00E+00	5.22E-09	3.47E-09	0.00E+00	0.00E+00	0.00E+00	3.47E-09
521	380645.78	3736714.3	2.81E-09	0.00E+00	0.00E+00	0.00E+00	2.81E-09	4.33E-10	0.00E+00	0.00E+00	0.00E+00	4.33E-10	2.87E-10	0.00E+00	0.00E+00	0.00E+00	2.87E-10
522	380675.78	3736714.3	3.46E-09	0.00E+00	0.00E+00	0.00E+00	3.46E-09	5.34E-10	0.00E+00	0.00E+00	0.00E+00	5.34E-10	3.55E-10	0.00E+00	0.00E+00	0.00E+00	3.55E-10
523	380705.78	3736714.3	4.35E-09	0.00E+00	0.00E+00	0.00E+00	4.35E-09	6.71E-10	0.00E+00	0.00E+00	0.00E+00	6.71E-10	4.46E-10	0.00E+00	0.00E+00	0.00E+00	4.46E-10
524	380735.78	3736714.3	5.44E-09	0.00E+00	0.00E+00	0.00E+00	5.44E-09	8.39E-10	0.00E+00	0.00E+00	0.00E+00	8.39E-10	5.57E-10	0.00E+00	0.00E+00	0.00E+00	5.57E-10
525	380765.78	3736714.3	6.55E-09	0.00E+00	0.00E+00	0.00E+00	6.55E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09	6.71E-10	0.00E+00	0.00E+00	0.00E+00	6.71E-10
526	380795.78	3736714.3	7.75E-09	0.00E+00	0.00E+00	0.00E+00	7.75E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09	7.93E-10	0.00E+00	0.00E+00	0.00E+00	7.93E-10
527	380825.78	3736714.3	9.51E-09	0.00E+00	0.00E+00	0.00E+00	9.51E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09	9.74E-10	0.00E+00	0.00E+00	0.00E+00	9.74E-10
528	380855.78	3736714.3	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
529	380885.78	3736714.3	1.42E-08	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.19E-09	0.00E+00	0.00E+00	0.00E+00	2.19E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09
530	380915.78	3736714.3	1.75E-08	0.00E+00	0.00E+00	0.00E+00	1.75E-08	2.69E-09	0.00E+00	0.00E+00	0.00E+00	2.69E-09	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09
531	380945.78	3736714.3	2.10E-08	0.00E+00	0.00E+00	0.00E+00	2.10E-08	3.23E-09	0.00E+00	0.00E+00	0.00E+00	3.23E-09	2.15E-09	0.00E+00	0.00E+00	0.00E+00	2.15E-09

532	380975.78	3736714.3	2.37E-08	0.00E+00	0.00E+00	0.00E+00	2.37E-08	3.66E-09	0.00E+00	0.00E+00	0.00E+00	3.66E-09	2.43E-09	0.00E+00	0.00E+00	0.00E+00	2.43E-09
533	381005.78	3736714.3	2.58E-08	0.00E+00	0.00E+00	0.00E+00	2.58E-08	3.97E-09	0.00E+00	0.00E+00	0.00E+00	3.97E-09	2.64E-09	0.00E+00	0.00E+00	0.00E+00	2.64E-09
534	381035.78	3736714.3	2.89E-08	0.00E+00	0.00E+00	0.00E+00	2.89E-08	4.45E-09	0.00E+00	0.00E+00	0.00E+00	4.45E-09	2.96E-09	0.00E+00	0.00E+00	0.00E+00	2.96E-09
535	380675.78	3736744.3	3.16E-09	0.00E+00	0.00E+00	0.00E+00	3.16E-09	4.88E-10	0.00E+00	0.00E+00	0.00E+00	4.88E-10	3.24E-10	0.00E+00	0.00E+00	0.00E+00	3.24E-10
536	380705.78	3736744.3	3.94E-09	0.00E+00	0.00E+00	0.00E+00	3.94E-09	6.07E-10	0.00E+00	0.00E+00	0.00E+00	6.07E-10	4.03E-10	0.00E+00	0.00E+00	0.00E+00	4.03E-10
537	380735.78	3736744.3	4.88E-09	0.00E+00	0.00E+00	0.00E+00	4.88E-09	7.52E-10	0.00E+00	0.00E+00	0.00E+00	7.52E-10	5.00E-10	0.00E+00	0.00E+00	0.00E+00	5.00E-10
538	380765.78	3736744.3	5.89E-09	0.00E+00	0.00E+00	0.00E+00	5.89E-09	9.08E-10	0.00E+00	0.00E+00	0.00E+00	9.08E-10	6.03E-10	0.00E+00	0.00E+00	0.00E+00	6.03E-10
539	380795.78	3736744.3	7.08E-09	0.00E+00	0.00E+00	0.00E+00	7.08E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09	7.25E-10	0.00E+00	0.00E+00	0.00E+00	7.25E-10
540	380825.78	3736744.3	8.68E-09	0.00E+00	0.00E+00	0.00E+00	8.68E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09	8.89E-10	0.00E+00	0.00E+00	0.00E+00	8.89E-10
541	380855.78	3736744.3	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
542	380885.78	3736744.3	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
543	380915.78	3736744.3	1.63E-08	0.00E+00	0.00E+00	0.00E+00	1.63E-08	2.51E-09	0.00E+00	0.00E+00	0.00E+00	2.51E-09	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09
544	380945.78	3736744.3	1.98E-08	0.00E+00	0.00E+00	0.00E+00	1.98E-08	3.06E-09	0.00E+00	0.00E+00	0.00E+00	3.06E-09	2.03E-09	0.00E+00	0.00E+00	0.00E+00	2.03E-09
545	380975.78	3736744.3	2.24E-08	0.00E+00	0.00E+00	0.00E+00	2.24E-08	3.45E-09	0.00E+00	0.00E+00	0.00E+00	3.45E-09	2.29E-09	0.00E+00	0.00E+00	0.00E+00	2.29E-09
546	381005.78	3736744.3	2.33E-08	0.00E+00	0.00E+00	0.00E+00	2.33E-08	3.59E-09	0.00E+00	0.00E+00	0.00E+00	3.59E-09	2.38E-09	0.00E+00	0.00E+00	0.00E+00	2.38E-09
547	381035.78	3736744.3	2.55E-08	0.00E+00	0.00E+00	0.00E+00	2.55E-08	3.92E-09	0.00E+00	0.00E+00	0.00E+00	3.92E-09	2.61E-09	0.00E+00	0.00E+00	0.00E+00	2.61E-09
548	381065.78	3736744.3	3.12E-08	0.00E+00	0.00E+00	0.00E+00	3.12E-08	4.80E-09	0.00E+00	0.00E+00	0.00E+00	4.80E-09	3.19E-09	0.00E+00	0.00E+00	0.00E+00	3.19E-09
549	380675.78	3736774.3	2.93E-09	0.00E+00	0.00E+00	0.00E+00	2.93E-09	4.51E-10	0.00E+00	0.00E+00	0.00E+00	4.51E-10	3.00E-10	0.00E+00	0.00E+00	0.00E+00	3.00E-10
550	380705.78	3736774.3	3.60E-09	0.00E+00	0.00E+00	0.00E+00	3.60E-09	5.55E-10	0.00E+00	0.00E+00	0.00E+00	5.55E-10	3.69E-10	0.00E+00	0.00E+00	0.00E+00	3.69E-10
551	380735.78	3736774.3	4.42E-09	0.00E+00	0.00E+00	0.00E+00	4.42E-09	6.81E-10	0.00E+00	0.00E+00	0.00E+00	6.81E-10	4.52E-10	0.00E+00	0.00E+00	0.00E+00	4.52E-10
552	380765.78	3736774.3	5.29E-09	0.00E+00	0.00E+00	0.00E+00	5.29E-09	8.15E-10	0.00E+00	0.00E+00	0.00E+00	8.15E-10	5.41E-10	0.00E+00	0.00E+00	0.00E+00	5.41E-10
553	380795.78	3736774.3	6.38E-09	0.00E+00	0.00E+00	0.00E+00	6.38E-09	9.83E-10	0.00E+00	0.00E+00	0.00E+00	9.83E-10	6.53E-10	0.00E+00	0.00E+00	0.00E+00	6.53E-10
554	380825.78	3736774.3	7.89E-09	0.00E+00	0.00E+00	0.00E+00	7.89E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09	8.08E-10	0.00E+00	0.00E+00	0.00E+00	8.08E-10
555	380855.78	3736774.3	9.61E-09	0.00E+00	0.00E+00	0.00E+00	9.61E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09	9.85E-10	0.00E+00	0.00E+00	0.00E+00	9.85E-10
556	380885.78	3736774.3	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
557	380915.78	3736774.3	1.44E-08	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.22E-09	0.00E+00	0.00E+00	0.00E+00	2.22E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09
558	380945.78	3736774.3	1.75E-08	0.00E+00	0.00E+00	0.00E+00	1.75E-08	2.70E-09	0.00E+00	0.00E+00	0.00E+00	2.70E-09	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09
559	380975.78	3736774.3	1.95E-08	0.00E+00	0.00E+00	0.00E+00	1.95E-08	3.00E-09	0.00E+00	0.00E+00	0.00E+00	3.00E-09	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09
560	381005.78	3736774.3	2.07E-08	0.00E+00	0.00E+00	0.00E+00	2.07E-08	3.19E-09	0.00E+00	0.00E+00	0.00E+00	3.19E-09	2.12E-09	0.00E+00	0.00E+00	0.00E+00	2.12E-09
561	381035.78	3736774.3	2.27E-08	0.00E+00	0.00E+00	0.00E+00	2.27E-08	3.50E-09	0.00E+00	0.00E+00	0.00E+00	3.50E-09	2.33E-09	0.00E+00	0.00E+00	0.00E+00	2.33E-09
562	381065.78	3736774.3	2.81E-08	0.00E+00	0.00E+00	0.00E+00	2.81E-08	4.33E-09	0.00E+00	0.00E+00	0.00E+00	4.33E-09	2.88E-09	0.00E+00	0.00E+00	0.00E+00	2.88E-09
563	380675.78	3736804.3	2.71E-09	0.00E+00	0.00E+00	0.00E+00	2.71E-09	4.18E-10	0.00E+00	0.00E+00	0.00E+00	4.18E-10	2.78E-10	0.00E+00	0.00E+00	0.00E+00	2.78E-10
564	380705.78	3736804.3	3.29E-09	0.00E+00	0.00E+00	0.00E+00	3.29E-09	5.06E-10	0.00E+00	0.00E+00	0.00E+00	5.06E-10	3.37E-10	0.00E+00	0.00E+00	0.00E+00	3.37E-10
565	380735.78	3736804.3	3.96E-09	0.00E+00	0.00E+00	0.00E+00	3.96E-09	6.10E-10	0.00E+00	0.00E+00	0.00E+00	6.10E-10	4.06E-10	0.00E+00	0.00E+00	0.00E+00	4.06E-10
566	380765.78	3736804.3	4.64E-09	0.00E+00	0.00E+00	0.00E+00	4.64E-09	7.15E-10	0.00E+00	0.00E+00	0.00E+00	7.15E-10	4.75E-10	0.00E+00	0.00E+00	0.00E+00	4.75E-10
567	380795.78	3736804.3	5.42E-09	0.00E+00	0.00E+00	0.00E+00	5.42E-09	8.36E-10	0.00E+00	0.00E+00	0.00E+00	8.36E-10	5.55E-10	0.00E+00	0.00E+00	0.00E+00	5.55E-10
568	380825.78	3736804.3	6.65E-09	0.00E+00	0.00E+00	0.00E+00	6.65E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09	6.81E-10	0.00E+00	0.00E+00	0.00E+00	6.81E-10
569	380855.78	3736804.3	8.75E-09	0.00E+00	0.00E+00	0.00E+00	8.75E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09	8.96E-10	0.00E+00	0.00E+00	0.00E+00	8.96E-10
570	380885.78	3736804.3	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
571	380915.78	3736804.3	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
572	380945.78	3736804.3	1.45E-08	0.00E+00	0.00E+00	0.00E+00	1.45E-08	2.24E-09	0.00E+00	0.00E+00	0.00E+00	2.24E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09
573	380975.78	3736804.3	1.63E-08	0.00E+00	0.00E+00	0.00E+00	1.63E-08	2.51E-09	0.00E+00	0.00E+00	0.00E+00	2.51E-09	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09
574	381005.78	3736804.3	1.82E-08	0.00E+00	0.00E+00	0.00E+00	1.82E-08	2.81E-09	0.00E+00	0.00E+00	0.00E+00	2.81E-09	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09
575	381035.78	3736804.3	2.09E-08	0.00E+00	0.00E+00	0.00E+00	2.09E-08	3.22E-09	0.00E+00	0.00E+00	0.00E+00	3.22E-09	2.14E-09	0.00E+00	0.00E+00	0.00E+00	2.14E-09
576	381065.78	3736804.3	2.53E-08	0.00E+00	0.00E+00	0.00E+00	2.53E-08	3.90E-09	0.00E+00	0.00E+00	0.00E+00	3.90E-09	2.59E-09	0.00E+00	0.00E+00	0.00E+00	2.59E-09
577	380705.78	3736834.3	3.04E-09	0.00E+00	0.00E+00	0.00E+00	3.04E-09	4.68E-10	0.00E+00	0.00E+00	0.00E+00	4.68E-10	3.11E-10	0.00E+00	0.00E+00	0.00E+00	3.11E-10
578	380735.78	3736834.3	3.64E-09	0.00E+00	0.00E+00	0.00E+00	3.64E-09	5.62E-10	0.00E+00	0.00E+00	0.00E+00	5.62E-10	3.73E-10	0.00E+00	0.00E+00	0.00E+00	3.73E-10
579	380765.78	3736834.3	4.30E-09	0.00E+00	0.00E+00	0.00E+00	4.30E-09	6.63E-10	0.00E+00	0.00E+00	0.00E+00	6.63E-10	4.41E-10	0.00E+00	0.00E+00	0.00E+00	4.41E-10
580	380795.78	3736834.3	5.01E-09	0.00E+00	0.00E+00	0.00E+00	5.01E-09	7.72E-10	0.00E+00	0.00E+00	0.00E+00	7.72E-10	5.13E-10	0.00E+00	0.00E+00	0.00E+00	5.13E-10
581	380825.78	3736834.3	5.90E-09	0.00E+00	0.00E+00	0.00E+00	5.90E-09	9.09E-10	0.00E+00	0.00E+00	0.00E+00	9.09E-10	6.04E-10	0.00E+00	0.00E+00	0.00E+00	6.04E-10
582	380855.78	3736834.3	7.19E-09	0.00E+00	0.00E+00	0.00E+00	7.19E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09	7.36E-10	0.00E+00	0.00E+00	0.00E+00	7.36E-10
583	380885.78	3736834.3	8.87E-09	0.00E+00	0.00E+00	0.00E+00	8.87E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09	9.08E-10	0.00E+00	0.00E+00	0.00E+00	9.08E-10
584	380915.78	3736834.3	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
585	380945.78	3736834.3	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
586	380975.78	3736834.3	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.13E-09	0.00E+00	0.00E+00	0.00E+00	2.13E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09
587	381005.78	3736834.3	1.57E-08	0.00E+00	0.00E+00	0.00E+00	1.57E-08	2.42E-09	0.00E+00	0.00E+00	0.00E+00	2.42E-09	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09
588	381035.78	3736834.3	1.81E-08	0.00E+00	0.00E+00	0.00E+00	1.81E-08	2.80E-09	0.00E+00	0.00E+00	0.00E+00	2.80E-09	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09
589	381065.78	3736834.3	2.13E-08	0.00E+00	0.00E+00	0.00E+00	2.13E-08	3.28E-09	0.00E+00	0.00E+00	0.00E+00	3.28E-09	2.18E-09	0.00E+00	0.00E+00	0.00E+00	2.18E-09
590	380705.78	3736864.3	2.83E-09	0.00E+00	0.00E+00	0.00E+00	2.83E-09	4.37E-10	0.00E+00	0.00E+00	0.00E+00	4.37E-10	2.90E-10	0.00E+00	0.00E+00	0.00E+00	2.90E-10
591	380735.78	3736864.3	3.39E-09	0.00E+00	0.00E+00	0.00E+00	3.39E-09	5.22E-10	0.00E+00	0.00E+00	0.00E+00	5.22E-10	3.47E-10	0.00E+00	0.00E+00	0.00E+00	3.47E-10
592	380765.78	3736864.3	4.04E-09	0.00E+00	0.00E+00	0.00E+00	4.04E-09	6.22E-10	0.00E+00	0.00E+00	0.00E+00	6.22E-10	4.14E-10	0.00E+00	0.00E+00	0.00E+00	4.14E-10
593	380795.78	3736864.3	4.74E-09	0.00E+00	0.00E+00	0.00E+00	4.74E-09	7.31E-10	0.00E+00	0.00E+00	0.00E+00	7.31E-10	4.86E-10	0.00E+00	0.00E+00	0.00E+00	4.86E-10
594	380825.78	3736864.3	5.46E-09	0.00E+00	0.00E+00	0.00E+00	5.46E-09	8.41E-10	0.00E+00	0.00E+00	0.00E+00	8.41E-10	5.59E-10	0.00E+00	0.00E+00	0.00E+00	5.59E-10
595	380855.78	3736864.3	6.34E-09	0.00E+00	0.00E+00	0.00E+00	6.34E-09	9.77E-10	0.00E+00	0.00E+00	0.00E+00	9.77E-10	6.49E-10	0.00E+00	0.00E+00	0.00E+00	6.49E-10
596	380885.78	3736864.3	7.37E-09	0.00E+00	0.00E+00	0.00E+00	7.37E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09	7.55E-10	0.00E+00	0.00E+00	0.00E+00	7.55E-10
597	380915.78	3736864.3	8.76E-09	0.00E+00	0.00E+00	0.00E+00	8.76E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09	8.97E-10	0.00E+00	0.00E+00	0.00E+00	8.97E-10
598	380945.78	3736864.3	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
599	380975.78	3736864.3	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
600	381005.78	3736864.3	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.09E-09	0.00E+00	0.00E+00	0.00E+00	2.09E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
601	381035.78	3736864.3	1.55E-08	0.00E+00	0.00E+00	0.00E+00	1.55E-08	2.39E-09	0.00E+00	0.00E+00	0.00E+00	2.39E-09	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09
602	381065.78	3736864.3	1.80E-08	0.00E+00	0.00E+00	0.00E+00	1.80E-08	2.77E-09	0.00E+00	0.00E+00	0.00E+00	2.77E-09	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09
603	381095.78	3736864.3	2.09E-08	0.00E+00	0.00E+00	0.00E+00	2.09E-08	3.23E-09	0.00E+00	0.00E+00	0.00E+00	3.23E-09	2.14E-09	0.00E+00	0.00E+00	0.00E+00	2.14E-09
604	380735.78	3736894.3	3.16E-09	0.00E+00	0.00E+00	0.00E+00	3.16E-09	4.87E-10	0.00E+00	0.00E+00	0.00E+00	4.87E-10	3.23E-10	0.00E+00	0.00E+00	0.00E+00	3.23E-10
605	380765.78	3736894.3	3.76E-09	0.00E+00	0.00E+00	0.00E+00	3.76E-09	5.79E-10	0.00E+00	0.00E+00	0.00E+00	5.79E-10	3.85E-10	0.00E+00	0.00E+00	0.00E+00	3.85E-10
606	380795.78	3736894.3	4.42E-09	0.00E+00	0.00E+00	0.00E+00	4.42E-09	6.81E-10	0.00E+00	0.00E+00	0.00E+00	6.81E-10	4.52E-10	0.00E+00	0.00E+00	0.00E+00	4.52E-10
607	380825.78	3736894.3	5.07E-09	0.00E+00	0.00E+00	0.00E+00	5.07E-09	7.81E-10	0.00E+00	0.00E+00	0.00E+00	7.81E-10	5.19E-10	0.00E+00	0.00E+00	0.00E+00	5.19E-10
608	380855.78	3736894.3	5.79E-09	0.00E+00	0.00E+00	0.00E+00	5.79E-09	8.93E-10	0.00E+00	0.00E+00	0.00E+00	8.93E-10	5.93E-10	0.00E+00	0.00E+00	0.00E+00	5.93E-10
609	380885.78	3736894.3	6.64E-09	0.00E+00	0.00E+00	0.00E+00	6.64E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09	6.80E-10	0.00E+00	0.00E+00	0.00E+00	6.80E-10
610	380915.78	3736894.3	7.63E-09	0.00E+00	0.00E+00	0.00E+00	7.63E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09	7.81E-10	0.00E+00	0.00E+00	0.00E+00	7.81E-10
611	380945.78	3736894.3	8.78E-09	0.00E+00	0.00E+00	0.00E+00	8.78E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09	8.99E-10	0.00E+00	0.00E+00	0.00E+00	8.99E-10
612	380975.78	3736894.3	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
613	381005.78	3736894.3	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.81E-09	0.00E+00	0.00E+00	0.00E+00	1.81E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
614	381035.78	3736894.3	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.11E-09	0.00E+00	0.00E+00	0.00E+00	2.11E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09
615	381065.78	3736894.3	1.57E-08	0.00E+00	0.00E+00	0.00E+00	1.57E-08	2.42E-09	0.00E+00	0.00E+00	0.00E+00	2.42E-09	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09
616	381095.78	3736894.3	1.76E-08	0.00E+00	0.00E+00	0.00E+00	1.76E-08	2.71E-09	0.00E+00	0.00E+00	0.00E+00	2.71E-09	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09
617	381125.78	3736894.3	2.13E-08	0.00E+00	0.00E+00	0.00E+00	2.13E-08	3.28E-09	0.00E+00	0.00E+00	0.00E+00	3.28E-09	2.18E-09	0.00E+00	0.00E+00	0.00E+00	2.18E-09
618	380735.78	3736924.3	2.97E-09	0.00E+00	0.00E+00	0.00E+00	2.97E-09	4.58E-10	0.00E+00	0.00E+00	0.00E+00	4.58E-10	3.04E-10	0.00E+00	0.00E+00	0.00E+00	3.04E-10
619	380765.78	3736924.3	3.48E-09	0.00E+00	0.00E+00	0.00E+00	3.48E-09	5.36E-10	0.00E+00	0.00E+00	0.00E+00	5.36E-10	3.56E-10	0.00E+00	0.00E+00	0.00E+00	3.56E-10
620	380795.78	3736924.3	4.06E-09	0.00E+00	0.00E+00	0.00E+00	4.06E-09	6.26E-10	0.00E+00	0.00E+00	0.00E+00	6.26E-10	4.16E-10	0.00E+00	0.00E+00	0.00E+00	4.16E-10
621	380825.78	3736924.3	4.64E-09	0.00E+00	0.00E+00	0.00E+00	4.64E-09	7.16E-10	0.00E+00	0.00E+00	0.00E+00	7.16E-10	4.76E-10	0.00E+00	0.00E+00	0.00E+00	4.76E-10
622	380855.78	3736924.3	5.29E-09	0.00E+00	0.00E+00	0.00E+00	5.29E-09	8.15E-10	0.00E+00	0.00E+00	0.00E+00	8.15E-10	5.42E-10	0.00E+00	0.00E+00	0.00E+00	5.42E-10
623	380885.78	3736924.3	6.04E-09	0.00E+00	0.00E+00	0.00E+00	6.04E-09	9.31E-10	0.00E+00	0.00E+00	0.00E+00	9.31E-10	6.19E-10	0.00E+00	0.00E+00	0.00E+00	6.19E-10
624	380915.78	3736924.3	6.79E-09	0.00E+00	0.00E+00	0.00E+00	6.79E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09	6.96E-10	0.00E+00	0.00E+00	0.00E+00	6.96E-10
625	380945.78	3736924.3	7.73E-09	0.00E+00	0.00E+00	0.00E+00	7.73E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09	7.91E-10	0.00E+00	0.00E+00	0.00E+00	7.91E-10
626	380975.78	3736924.3	8.93E-09	0.00E+00	0.00E+00	0.00E+00	8.93E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09	9.15E-10	0.00E+00	0.00E+00	0.00E+00	9.15E-10
627	381005.78	3736924.3	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
628	381035.78	3736924.3	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
629	381065.78	3736924.3	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.07E-09	0.00E+00	0.00E+00	0.00E+00	2.07E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
630	381095.78	3736924.3	1.50E-08	0.00E+00	0.00E+00	0.00E+00	1.50E-08	2.31E-09	0.00E+00	0.00E+00	0.00E+00	2.31E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09
631	381125.78	3736924.3	1.75E-08	0.00E+00	0.00E+00	0.00E+00	1.75E-08	2.69E-09	0.00E+00	0.00E+00	0.00E+00	2.69E-09	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09
632	381155.78	3736924.3	2.31E-08	0.00E+00	0.00E+00	0.00E+00	2.31E-08	3.55E-09	0.00E+00	0.00E+00	0.00E+00	3.55E-09	2.36E-09	0.00E+00	0.00E+00	0.00E+00	2.36E-09
633	380735.78	3736954.3	2.75E-09	0.00E+00	0.00E+00	0.00E+00	2.75E-09	4.24E-10	0.00E+00	0.00E+00	0.00E+00	4.24E-10	2.82E-10	0.00E+00	0.00E+00	0.00E+00	2.82E-10
634	380765.78	3736954.3	3.22E-09	0.00E+00	0.00E+00	0.00E+00	3.22E-09	4.97E-10	0.00E+00	0.00E+00	0.00E+00	4.97E-10	3.30E-10	0.00E+00	0.00E+00	0.00E+00	3.30E-10
635	380795.78	3736954.3	3.73E-09	0.00E+00	0.00E+00	0.00E+00	3.73E-09	5.75E-10	0.00E+00	0.00E+00	0.00E+00	5.75E-10	3.82E-10	0.00E+00	0.00E+00	0.00E+00	3.82E-10
636	380825.78	3736954.3	4.27E-09	0.00E+00	0.00E+00	0.00E+00	4.27E-09	6.59E-10	0.00E+00	0.00E+00	0.00E+00	6.59E-10	4.38E-10	0.00E+00	0.00E+00	0.00E+00	4.38E-10
637	380855.78	3736954.3	4.84E-09	0.00E+00	0.00E+00	0.00E+00	4.84E-09	7.46E-10	0.00E+00	0.00E+00	0.00E+00	7.46E-10	4.96E-10	0.00E+00	0.00E+00	0.00E+00	4.96E-10
638	380885.78	3736954.3	5.47E-09	0.00E+00	0.00E+00	0.00E+00	5.47E-09	8.43E-10	0.00E+00	0.00E+00	0.00E+00	8.43E-10	5.60E-10	0.00E+00	0.00E+00	0.00E+00	5.60E-10

639	380915.78	3736954.3	6.13E-09	0.00E+00	0.00E+00	0.00E+00	6.13E-09	9.45E-10	0.00E+00	0.00E+00	0.00E+00	9.45E-10	6.28E-10	0.00E+00	0.00E+00	0.00E+00	6.28E-10
640	380945.78	3736954.3	6.99E-09	0.00E+00	0.00E+00	0.00E+00	6.99E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09	7.16E-10	0.00E+00	0.00E+00	0.00E+00	7.16E-10
641	380975.78	3736954.3	8.03E-09	0.00E+00	0.00E+00	0.00E+00	8.03E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09	8.22E-10	0.00E+00	0.00E+00	0.00E+00	8.22E-10
642	381005.78	3736954.3	9.26E-09	0.00E+00	0.00E+00	0.00E+00	9.26E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09	9.48E-10	0.00E+00	0.00E+00	0.00E+00	9.48E-10
643	381035.78	3736954.3	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
644	381065.78	3736954.3	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
645	381095.78	3736954.3	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
646	381125.78	3736954.3	1.52E-08	0.00E+00	0.00E+00	0.00E+00	1.52E-08	2.34E-09	0.00E+00	0.00E+00	0.00E+00	2.34E-09	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09
647	381155.78	3736954.3	1.94E-08	0.00E+00	0.00E+00	0.00E+00	1.94E-08	2.99E-09	0.00E+00	0.00E+00	0.00E+00	2.99E-09	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09
648	380765.78	3736984.3	2.99E-09	0.00E+00	0.00E+00	0.00E+00	2.99E-09	4.61E-10	0.00E+00	0.00E+00	0.00E+00	4.61E-10	3.06E-10	0.00E+00	0.00E+00	0.00E+00	3.06E-10
649	380795.78	3736984.3	3.47E-09	0.00E+00	0.00E+00	0.00E+00	3.47E-09	5.35E-10	0.00E+00	0.00E+00	0.00E+00	5.35E-10	3.55E-10	0.00E+00	0.00E+00	0.00E+00	3.55E-10
650	380825.78	3736984.3	3.96E-09	0.00E+00	0.00E+00	0.00E+00	3.96E-09	6.11E-10	0.00E+00	0.00E+00	0.00E+00	6.11E-10	4.06E-10	0.00E+00	0.00E+00	0.00E+00	4.06E-10
651	380855.78	3736984.3	4.45E-09	0.00E+00	0.00E+00	0.00E+00	4.45E-09	6.85E-10	0.00E+00	0.00E+00	0.00E+00	6.85E-10	4.56E-10	0.00E+00	0.00E+00	0.00E+00	4.56E-10
652	380885.78	3736984.3	5.02E-09	0.00E+00	0.00E+00	0.00E+00	5.02E-09	7.74E-10	0.00E+00	0.00E+00	0.00E+00	7.74E-10	5.14E-10	0.00E+00	0.00E+00	0.00E+00	5.14E-10
653	380915.78	3736984.3	5.73E-09	0.00E+00	0.00E+00	0.00E+00	5.73E-09	8.83E-10	0.00E+00	0.00E+00	0.00E+00	8.83E-10	5.87E-10	0.00E+00	0.00E+00	0.00E+00	5.87E-10
654	380945.78	3736984.3	6.61E-09	0.00E+00	0.00E+00	0.00E+00	6.61E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09	6.77E-10	0.00E+00	0.00E+00	0.00E+00	6.77E-10
655	380975.78	3736984.3	7.57E-09	0.00E+00	0.00E+00	0.00E+00	7.57E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09	7.75E-10	0.00E+00	0.00E+00	0.00E+00	7.75E-10
656	381005.78	3736984.3	8.47E-09	0.00E+00	0.00E+00	0.00E+00	8.47E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09	8.68E-10	0.00E+00	0.00E+00	0.00E+00	8.68E-10
657	381035.78	3736984.3	9.35E-09	0.00E+00	0.00E+00	0.00E+00	9.35E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09	9.58E-10	0.00E+00	0.00E+00	0.00E+00	9.58E-10
658	381065.78	3736984.3	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
659	381095.78	3736984.3	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
660	381125.78	3736984.3	1.39E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.15E-09	0.00E+00	0.00E+00	0.00E+00	2.15E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
661	381155.78	3736984.3	1.83E-08	0.00E+00	0.00E+00	0.00E+00	1.83E-08	2.81E-09	0.00E+00	0.00E+00	0.00E+00	2.81E-09	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09
662	380765.78	3737014.3	2.81E-09	0.00E+00	0.00E+00	0.00E+00	2.81E-09	4.34E-10	0.00E+00	0.00E+00	0.00E+00	4.34E-10	2.88E-10	0.00E+00	0.00E+00	0.00E+00	2.88E-10
663	380795.78	3737014.3	3.26E-09	0.00E+00	0.00E+00	0.00E+00	3.26E-09	5.03E-10	0.00E+00	0.00E+00	0.00E+00	5.03E-10	3.34E-10	0.00E+00	0.00E+00	0.00E+00	3.34E-10
664	380825.78	3737014.3	3.70E-09	0.00E+00	0.00E+00	0.00E+00	3.70E-09	5.70E-10	0.00E+00	0.00E+00	0.00E+00	5.70E-10	3.79E-10	0.00E+00	0.00E+00	0.00E+00	3.79E-10
665	380855.78	3737014.3	4.14E-09	0.00E+00	0.00E+00	0.00E+00	4.14E-09	6.39E-10	0.00E+00	0.00E+00	0.00E+00	6.39E-10	4.24E-10	0.00E+00	0.00E+00	0.00E+00	4.24E-10
666	380885.78	3737014.3	4.73E-09	0.00E+00	0.00E+00	0.00E+00	4.73E-09	7.29E-10	0.00E+00	0.00E+00	0.00E+00	7.29E-10	4.84E-10	0.00E+00	0.00E+00	0.00E+00	4.84E-10
667	380915.78	3737014.3	5.37E-09	0.00E+00	0.00E+00	0.00E+00	5.37E-09	8.27E-10	0.00E+00	0.00E+00	0.00E+00	8.27E-10	5.50E-10	0.00E+00	0.00E+00	0.00E+00	5.50E-10
668	380945.78	3737014.3	6.09E-09	0.00E+00	0.00E+00	0.00E+00	6.09E-09	9.39E-10	0.00E+00	0.00E+00	0.00E+00	9.39E-10	6.24E-10	0.00E+00	0.00E+00	0.00E+00	6.24E-10
669	380975.78	3737014.3	6.86E-09	0.00E+00	0.00E+00	0.00E+00	6.86E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09	7.02E-10	0.00E+00	0.00E+00	0.00E+00	7.02E-10
670	381005.78	3737014.3	7.66E-09	0.00E+00	0.00E+00	0.00E+00	7.66E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09	7.85E-10	0.00E+00	0.00E+00	0.00E+00	7.85E-10
671	381035.78	3737014.3	8.46E-09	0.00E+00	0.00E+00	0.00E+00	8.46E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09	8.66E-10	0.00E+00	0.00E+00	0.00E+00	8.66E-10
672	381065.78	3737014.3	9.34E-09	0.00E+00	0.00E+00	0.00E+00	9.34E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09	9.57E-10	0.00E+00	0.00E+00	0.00E+00	9.57E-10
673	381095.78	3737014.3	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
674	381125.78	3737014.3	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
675	381155.78	3737014.3	1.68E-08	0.00E+00	0.00E+00	0.00E+00	1.68E-08	2.59E-09	0.00E+00	0.00E+00	0.00E+00	2.59E-09	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09
676	380385.62	3735858.28	4.60E-10	0.00E+00	0.00E+00	0.00E+00	4.60E-10	7.09E-11	0.00E+00	0.00E+00	0.00E+00	7.09E-11	4.71E-11	0.00E+00	0.00E+00	0.00E+00	4.71E-11
677	380385.62	3735888.28	4.94E-10	0.00E+00	0.00E+00	0.00E+00	4.94E-10	7.61E-11	0.00E+00	0.00E+00	0.00E+00	7.61E-11	5.06E-11	0.00E+00	0.00E+00	0.00E+00	5.06E-11
678	380385.62	3735918.28	5.31E-10	0.00E+00	0.00E+00	0.00E+00	5.31E-10	8.19E-11	0.00E+00	0.00E+00	0.00E+00	8.19E-11	5.44E-11	0.00E+00	0.00E+00	0.00E+00	5.44E-11
679	380415.62	3735918.28	5.62E-10	0.00E+00	0.00E+00	0.00E+00	5.62E-10	8.66E-11	0.00E+00	0.00E+00	0.00E+00	8.66E-11	5.75E-11	0.00E+00	0.00E+00	0.00E+00	5.75E-11
680	380385.62	3735948.28	5.74E-10	0.00E+00	0.00E+00	0.00E+00	5.74E-10	8.84E-11	0.00E+00	0.00E+00	0.00E+00	8.84E-11	5.87E-11	0.00E+00	0.00E+00	0.00E+00	5.87E-11
681	380415.62	3735948.28	6.09E-10	0.00E+00	0.00E+00	0.00E+00	6.09E-10	9.39E-11	0.00E+00	0.00E+00	0.00E+00	9.39E-11	6.24E-11	0.00E+00	0.00E+00	0.00E+00	6.24E-11
682	380385.62	3735978.28	6.20E-10	0.00E+00	0.00E+00	0.00E+00	6.20E-10	9.55E-11	0.00E+00	0.00E+00	0.00E+00	9.55E-11	6.35E-11	0.00E+00	0.00E+00	0.00E+00	6.35E-11
683	380415.62	3735978.28	6.62E-10	0.00E+00	0.00E+00	0.00E+00	6.62E-10	1.02E-10	0.00E+00	0.00E+00	0.00E+00	1.02E-10	6.79E-11	0.00E+00	0.00E+00	0.00E+00	6.79E-11
684	380385.62	3736008.28	6.71E-10	0.00E+00	0.00E+00	0.00E+00	6.71E-10	1.03E-10	0.00E+00	0.00E+00	0.00E+00	1.03E-10	6.87E-11	0.00E+00	0.00E+00	0.00E+00	6.87E-11
685	380415.62	3736008.28	7.22E-10	0.00E+00	0.00E+00	0.00E+00	7.22E-10	1.11E-10	0.00E+00	0.00E+00	0.00E+00	1.11E-10	7.39E-11	0.00E+00	0.00E+00	0.00E+00	7.39E-11
686	380445.62	3736008.28	7.69E-10	0.00E+00	0.00E+00	0.00E+00	7.69E-10	1.18E-10	0.00E+00	0.00E+00	0.00E+00	1.18E-10	7.87E-11	0.00E+00	0.00E+00	0.00E+00	7.87E-11
687	380355.62	3736038.28	6.71E-10	0.00E+00	0.00E+00	0.00E+00	6.71E-10	1.03E-10	0.00E+00	0.00E+00	0.00E+00	1.03E-10	6.88E-11	0.00E+00	0.00E+00	0.00E+00	6.88E-11
688	380385.62	3736038.28	7.26E-10	0.00E+00	0.00E+00	0.00E+00	7.26E-10	1.12E-10	0.00E+00	0.00E+00	0.00E+00	1.12E-10	7.44E-11	0.00E+00	0.00E+00	0.00E+00	7.44E-11
689	380415.62	3736038.28	7.87E-10	0.00E+00	0.00E+00	0.00E+00	7.87E-10	1.21E-10	0.00E+00	0.00E+00	0.00E+00	1.21E-10	8.06E-11	0.00E+00	0.00E+00	0.00E+00	8.06E-11
690	380445.62	3736038.28	8.37E-10	0.00E+00	0.00E+00	0.00E+00	8.37E-10	1.29E-10	0.00E+00	0.00E+00	0.00E+00	1.29E-10	8.58E-11	0.00E+00	0.00E+00	0.00E+00	8.58E-11
691	380355.62	3736068.28	7.21E-10	0.00E+00	0.00E+00	0.00E+00	7.21E-10	1.11E-10	0.00E+00	0.00E+00	0.00E+00	1.11E-10	7.39E-11	0.00E+00	0.00E+00	0.00E+00	7.39E-11
692	380385.62	3736068.28	7.85E-10	0.00E+00	0.00E+00	0.00E+00	7.85E-10	1.21E-10	0.00E+00	0.00E+00	0.00E+00	1.21E-10	8.04E-11	0.00E+00	0.00E+00	0.00E+00	8.04E-11
693	380415.62	3736068.28	8.49E-10	0.00E+00	0.00E+00	0.00E+00	8.49E-10	1.31E-10	0.00E+00	0.00E+00	0.00E+00	1.31E-10	8.70E-11	0.00E+00	0.00E+00	0.00E+00	8.70E-11
694	380445.62	3736068.28	9.09E-10	0.00E+00	0.00E+00	0.00E+00	9.09E-10	1.40E-10	0.00E+00	0.00E+00	0.00E+00	1.40E-10	9.31E-11	0.00E+00	0.00E+00	0.00E+00	9.31E-11
695	380475.62	3736068.28	9.77E-10	0.00E+00	0.00E+00	0.00E+00	9.77E-10	1.51E-10	0.00E+00	0.00E+00	0.00E+00	1.51E-10	1.00E-10	0.00E+00	0.00E+00	0.00E+00	1.00E-10
696	380355.62	3736098.28	7.73E-10	0.00E+00	0.00E+00	0.00E+00	7.73E-10	1.19E-10	0.00E+00	0.00E+00	0.00E+00	1.19E-10	7.92E-11	0.00E+00	0.00E+00	0.00E+00	7.92E-11
697	380385.62	3736098.28	8.47E-10	0.00E+00	0.00E+00	0.00E+00	8.47E-10	1.31E-10	0.00E+00	0.00E+00	0.00E+00	1.31E-10	8.68E-11	0.00E+00	0.00E+00	0.00E+00	8.68E-11
698	380415.62	3736098.28	9.08E-10	0.00E+00	0.00E+00	0.00E+00	9.08E-10	1.40E-10	0.00E+00	0.00E+00	0.00E+00	1.40E-10	9.30E-11	0.00E+00	0.00E+00	0.00E+00	9.30E-11
699	380445.62	3736098.28	9.77E-10	0.00E+00	0.00E+00	0.00E+00	9.77E-10	1.51E-10	0.00E+00	0.00E+00	0.00E+00	1.51E-10	1.00E-10	0.00E+00	0.00E+00	0.00E+00	1.00E-10
700	380475.62	3736098.28	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09	1.64E-10	0.00E+00	0.00E+00	0.00E+00	1.64E-10	1.09E-10	0.00E+00	0.00E+00	0.00E+00	1.09E-10
701	380355.62	3736128.28	8.27E-10	0.00E+00	0.00E+00	0.00E+00	8.27E-10	1.27E-10	0.00E+00	0.00E+00	0.00E+00	1.27E-10	8.47E-11	0.00E+00	0.00E+00	0.00E+00	8.47E-11
702	380385.62	3736128.28	9.09E-10	0.00E+00	0.00E+00	0.00E+00	9.09E-10	1.40E-10	0.00E+00	0.00E+00	0.00E+00	1.40E-10	9.31E-11	0.00E+00	0.00E+00	0.00E+00	9.31E-11
703	380415.62	3736128.28	9.71E-10	0.00E+00	0.00E+00	0.00E+00	9.71E-10	1.50E-10	0.00E+00	0.00E+00	0.00E+00	1.50E-10	9.95E-11	0.00E+00	0.00E+00	0.00E+00	9.95E-11
704	380445.62	3736128.28	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09	1.62E-10	0.00E+00	0.00E+00	0.00E+00	1.62E-10	1.08E-10	0.00E+00	0.00E+00	0.00E+00	1.08E-10
705	380475.62	3736128.28	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09	1.80E-10	0.00E+00	0.00E+00	0.00E+00	1.80E-10	1.19E-10	0.00E+00	0.00E+00	0.00E+00	1.19E-10
706	380505.62	3736128.28	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09	2.06E-10	0.00E+00	0.00E+00	0.00E+00	2.06E-10	1.37E-10	0.00E+00	0.00E+00	0.00E+00	1.37E-10
707	380355.62	3736158.28	8.80E-10	0.00E+00	0.00E+00	0.00E+00	8.80E-10	1.36E-10	0.00E+00	0.00E+00	0.00E+00	1.36E-10	9.01E-11	0.00E+00	0.00E+00	0.00E+00	9.01E-11
708	380385.62	3736158.28	9.69E-10	0.00E+00	0.00E+00	0.00E+00	9.69E-10	1.49E-10	0.00E+00	0.00E+00	0.00E+00	1.49E-10	9.93E-11	0.00E+00	0.00E+00	0.00E+00	9.93E-11
709	380415.62	3736158.28	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.60E-10	0.00E+00	0.00E+00	0.00E+00	1.60E-10	1.07E-10	0.00E+00	0.00E+00	0.00E+00	1.07E-10
710	380445.62	3736158.28	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09	1.76E-10	0.00E+00	0.00E+00	0.00E+00	1.76E-10	1.17E-10	0.00E+00	0.00E+00	0.00E+00	1.17E-10
711	380475.62	3736158.28	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09	1.98E-10	0.00E+00	0.00E+00	0.00E+00	1.98E-10	1.32E-10	0.00E+00	0.00E+00	0.00E+00	1.32E-10
712	380505.62	3736158.28	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09	2.30E-10	0.00E+00	0.00E+00	0.00E+00	2.30E-10	1.53E-10	0.00E+00	0.00E+00	0.00E+00	1.53E-10
713	380535.62	3736158.28	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09	2.73E-10	0.00E+00	0.00E+00	0.00E+00	2.73E-10	1.81E-10	0.00E+00	0.00E+00	0.00E+00	1.81E-10
714	380325.62	3736188.28	8.38E-10	0.00E+00	0.00E+00	0.00E+00	8.38E-10	1.29E-10	0.00E+00	0.00E+00	0.00E+00	1.29E-10	8.58E-11	0.00E+00	0.00E+00	0.00E+00	8.58E-11
715	380355.62	3736188.28	9.30E-10	0.00E+00	0.00E+00	0.00E+00	9.30E-10	1.43E-10	0.00E+00	0.00E+00	0.00E+00	1.43E-10	9.53E-11	0.00E+00	0.00E+00	0.00E+00	9.53E-11
716	380385.62	3736188.28	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09	1.59E-10	0.00E+00	0.00E+00	0.00E+00	1.59E-10	1.06E-10	0.00E+00	0.00E+00	0.00E+00	1.06E-10
717	380415.62	3736188.28	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09	1.72E-10	0.00E+00	0.00E+00	0.00E+00	1.72E-10	1.14E-10	0.00E+00	0.00E+00	0.00E+00	1.14E-10
718	380445.62	3736188.28	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09	1.90E-10	0.00E+00	0.00E+00	0.00E+00	1.90E-10	1.26E-10	0.00E+00	0.00E+00	0.00E+00	1.26E-10
719	380475.62	3736188.28	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09	2.17E-10	0.00E+00	0.00E+00	0.00E+00	2.17E-10	1.44E-10	0.00E+00	0.00E+00	0.00E+00	1.44E-10
720	380505.62	3736188.28	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09	2.55E-10	0.00E+00	0.00E+00	0.00E+00	2.55E-10	1.69E-10	0.00E+00	0.00E+00	0.00E+00	1.69E-10
721	380535.62	3736188.28	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09	3.01E-10	0.00E+00	0.00E+00	0.00E+00	3.01E-10	2.00E-10	0.00E+00	0.00E+00	0.00E+00	2.00E-10
722	380355.62	3736218.28	9.73E-10	0.00E+00	0.00E+00	0.00E+00	9.73E-10	1.50E-10	0.00E+00	0.00E+00	0.00E+00	1.50E-10	9.97E-11	0.00E+00	0.00E+00	0.00E+00	9.97E-11
723	380385.62	3736218.28	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09	1.69E-10	0.00E+00	0.00E+00	0.00E+00	1.69E-10	1.12E-10	0.00E+00	0.00E+00	0.00E+00	1.12E-10
724	380415.62	3736218.28	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09	1.86E-10	0.00E+00	0.00E+00	0.00E+00	1.86E-10	1.24E-10	0.00E+00	0.00E+00	0.00E+00	1.24E-10
725	380445.62	3736218.28	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09	2.05E-10	0.00E+00	0.00E+00	0.00E+00	2.05E-10	1.36E-10	0.00E+00	0.00E+00	0.00E+00	1.36E-10
726	380475.62	3736218.28	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09	2.35E-10	0.00E+00	0.00E+00	0.00E+00	2.35E-10	1.56E-10	0.00E+00	0.00E+00	0.00E+00	1.56E-10
727	380505.62	3736218.28	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09	2.74E-10	0.00E+00	0.00E+00	0.00E+00	2.74E-10	1.82E-10	0.00E+00	0.00E+00	0.00E+00	1.82E-10
728	380535.62	3736218.28	2.11E-09	0.00E+00	0.00E+00	0.00E+00	2.11E-09	3.25E-10	0.00E+00	0.00E+00	0.00E+00	3.25E-10	2.16E-10	0.00E+00	0.00E+00	0.00E+00	2.16E-10
729	380565.62	3736218.28	2.66E-09	0.00E+00	0.00E+00	0.00E+00	2.66E-09	4.11E-10	0.00E+00	0.00E+00	0.00E+00	4.11E-10	2.73E-10	0.00E+00	0.00E+00	0.00E+00	2.73E-10
730	380355.62	3736248.28	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09	1.55E-10	0.00E+00	0.00E+00	0.00E+00	1.55E-10	1.03E-10	0.00E+00	0.00E+00	0.00E+00	1.03E-10
731	380385.62	3736248.28	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09	1.75E-10	0.00E+00	0.00E+00	0.00E+00	1.75E-10	1.16E-10	0.00E+00	0.00E+00	0.00E+00	1.16E-10
732	380415.62	3736248.28	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09	1.98E-10	0.00E+00	0.00E+00	0.00E+00	1.98E-10	1.32E-10	0.00E+00	0.00E+00	0.00E+00	1.32E-10
733	380445.62	3736248.28	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09	2.19E-10	0.00E+00	0.00E+00	0.00E+00	2.19E-10	1.46E-10	0.00E+00	0.00E+00	0.00E+00	1.46E-10
734	380475.62	3736248.28	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09	2.50E-10	0.00E+00	0.00E+00	0.00E+00	2.50E-10	1.66E-10	0.00E+00	0.00E+00	0.00E+00	1.66E-10
735	380505.62	3736248.28	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09	2.90E-10	0.00E+00	0.00E+00	0.00E+00	2.90E-10	1.93E-10	0.00E+00	0.00E+00	0.00E+00	1.93E-10
736	380535.62	3736248.28	2.24E-09	0.00E+00	0.00E+00	0.00E+00	2.24E-09	3.45E-10	0.00E+00	0.00E+00	0.00E+00	3.45E-10	2.29E-10	0.00E+00	0.00E+00	0.00E+00	2.29E-10
737	380565.62	3736248.28	2.84E-09	0.00E+00	0.00E+00	0.00E+00	2.84E-09	4.38E-10	0.00E+00	0.00E+00	0.00E+00	4.38E-10	2.91E-10	0.00E+00	0.00E+00	0.00E+00	2.91E-10
738	380595.62	3736248.28	4.04E-09	0.00E+00	0.00E+00	0.00E+00	4.04E-09	6.23E-10	0.00E+00	0.00E+00	0.00E+00	6.23E-10	4.14E-10	0.00E+00	0.00E+00	0.00E+00	4.14E-10
739	380385.62	3736278.28	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09	1.79E-10	0.00E+00	0.00E+00	0.00E+00	1.79E-10	1.19E-10	0.00E+00	0.00E+00	0.00E+00	1.19E-10
740	380415.62	3736278.28	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09	2.05E-10	0.00E+00	0.00E+00	0.00E+00	2.05E-10	1.36E-10	0.00E+00	0.00E+00	0.00E+00	1.36E-10
741	380445.62	3736278.28	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09	2.32E-10	0.00E+00	0.00E+00	0.00E+00	2.32E-10	1.54E-10	0.00E+00	0.00E+00	0.00E+00	1.54E-10
742	380475.62	3736278.28	1.71E-09	0.00E+00	0.00E+00	0.00E+00	1.71E-09	2.64E-10	0.00E+00	0.00E+00	0.00E+00	2.64E-10	1.75E-10	0.00E+00	0.00E+00	0.00E+00	1.75E-10
743	380505.62	3736278.28	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09	3.03E-10	0.00E+00	0.00E+00	0.00E+00	3.03E-10	2.02E-10	0.00E+00	0.00E+00	0.00E+00	2.02E-10
744	380535.62	3736278.28	2.32E-09	0.00E+00	0.00E+00	0.00E+00	2.32E-09	3.58E-10	0.00E+00	0.00E+00	0.00E+00	3.58E-10	2.38E-10	0.00E+00	0.00E+00	0.00E+00	2.38E-10
745	380565.62	3736278.28	2.91E-09	0.00E+00	0.00E+00	0.00E+00	2.91E-09	4.49E-10	0.00E+00	0.00E+00	0.00E+00	4.49E-10	2.98E-10	0.00E+00	0.00E+00	0.00E+00	2.98E-10

746	380595.62	3736278.28	4.02E-09	0.00E+00	0.00E+00	0.00E+00	4.02E-09	6.20E-10	0.00E+00	0.00E+00	0.00E+00	6.20E-10	4.12E-10	0.00E+00	0.00E+00	0.00E+00	4.12E-10
747	380445.62	3736308.28	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09	2.36E-10	0.00E+00	0.00E+00	0.00E+00	2.36E-10	1.57E-10	0.00E+00	0.00E+00	0.00E+00	1.57E-10
748	380475.62	3736308.28	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09	2.69E-10	0.00E+00	0.00E+00	0.00E+00	2.69E-10	1.79E-10	0.00E+00	0.00E+00	0.00E+00	1.79E-10
749	380505.62	3736308.28	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09	3.07E-10	0.00E+00	0.00E+00	0.00E+00	3.07E-10	2.04E-10	0.00E+00	0.00E+00	0.00E+00	2.04E-10
750	380535.62	3736308.28	2.33E-09	0.00E+00	0.00E+00	0.00E+00	2.33E-09	3.59E-10	0.00E+00	0.00E+00	0.00E+00	3.59E-10	2.39E-10	0.00E+00	0.00E+00	0.00E+00	2.39E-10
751	380565.62	3736308.28	2.90E-09	0.00E+00	0.00E+00	0.00E+00	2.90E-09	4.47E-10	0.00E+00	0.00E+00	0.00E+00	4.47E-10	2.97E-10	0.00E+00	0.00E+00	0.00E+00	2.97E-10
752	380595.62	3736308.28	3.93E-09	0.00E+00	0.00E+00	0.00E+00	3.93E-09	6.06E-10	0.00E+00	0.00E+00	0.00E+00	6.06E-10	4.02E-10	0.00E+00	0.00E+00	0.00E+00	4.02E-10
753	380625.62	3736308.28	6.04E-09	0.00E+00	0.00E+00	0.00E+00	6.04E-09	9.30E-10	0.00E+00	0.00E+00	0.00E+00	9.30E-10	6.18E-10	0.00E+00	0.00E+00	0.00E+00	6.18E-10
754	380535.62	3736338.28	2.27E-09	0.00E+00	0.00E+00	0.00E+00	2.27E-09	3.50E-10	0.00E+00	0.00E+00	0.00E+00	3.50E-10	2.33E-10	0.00E+00	0.00E+00	0.00E+00	2.33E-10
755	380565.62	3736338.28	2.83E-09	0.00E+00	0.00E+00	0.00E+00	2.83E-09	4.36E-10	0.00E+00	0.00E+00	0.00E+00	4.36E-10	2.89E-10	0.00E+00	0.00E+00	0.00E+00	2.89E-10
756	380595.62	3736338.28	3.83E-09	0.00E+00	0.00E+00	0.00E+00	3.83E-09	5.91E-10	0.00E+00	0.00E+00	0.00E+00	5.91E-10	3.93E-10	0.00E+00	0.00E+00	0.00E+00	3.93E-10
757	380625.62	3736338.28	5.80E-09	0.00E+00	0.00E+00	0.00E+00	5.80E-09	8.94E-10	0.00E+00	0.00E+00	0.00E+00	8.94E-10	5.94E-10	0.00E+00	0.00E+00	0.00E+00	5.94E-10
758	380655.62	3736338.28	9.86E-09	0.00E+00	0.00E+00	0.00E+00	9.86E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09
759	380535.62	3736368.28	2.18E-09	0.00E+00	0.00E+00	0.00E+00	2.18E-09	3.37E-10	0.00E+00	0.00E+00	0.00E+00	3.37E-10	2.24E-10	0.00E+00	0.00E+00	0.00E+00	2.24E-10
760	380565.62	3736368.28	2.75E-09	0.00E+00	0.00E+00	0.00E+00	2.75E-09	4.24E-10	0.00E+00	0.00E+00	0.00E+00	4.24E-10	2.82E-10	0.00E+00	0.00E+00	0.00E+00	2.82E-10
761	380595.62	3736368.28	3.79E-09	0.00E+00	0.00E+00	0.00E+00	3.79E-09	5.85E-10	0.00E+00	0.00E+00	0.00E+00	5.85E-10	3.88E-10	0.00E+00	0.00E+00	0.00E+00	3.88E-10
762	380625.62	3736368.28	5.64E-09	0.00E+00	0.00E+00	0.00E+00	5.64E-09	8.69E-10	0.00E+00	0.00E+00	0.00E+00	8.69E-10	5.77E-10	0.00E+00	0.00E+00	0.00E+00	5.77E-10
763	380655.62	3736368.28	8.75E-09	0.00E+00	0.00E+00	0.00E+00	8.75E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09	8.96E-10	0.00E+00	0.00E+00	0.00E+00	8.96E-10
764	380685.62	3736368.28	1.41E-08	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.17E-09	0.00E+00	0.00E+00	0.00E+00	2.17E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09
765	380535.62	3736398.28	2.13E-09	0.00E+00	0.00E+00	0.00E+00	2.13E-09	3.28E-10	0.00E+00	0.00E+00	0.00E+00	3.28E-10	2.18E-10	0.00E+00	0.00E+00	0.00E+00	2.18E-10
766	380565.62	3736398.28	2.69E-09	0.00E+00	0.00E+00	0.00E+00	2.69E-09	4.14E-10	0.00E+00	0.00E+00	0.00E+00	4.14E-10	2.75E-10	0.00E+00	0.00E+00	0.00E+00	2.75E-10
767	380595.62	3736398.28	3.75E-09	0.00E+00	0.00E+00	0.00E+00	3.75E-09	5.77E-10	0.00E+00	0.00E+00	0.00E+00	5.77E-10	3.84E-10	0.00E+00	0.00E+00	0.00E+00	3.84E-10
768	380625.62	3736398.28	5.53E-09	0.00E+00	0.00E+00	0.00E+00	5.53E-09	8.53E-10	0.00E+00	0.00E+00	0.00E+00	8.53E-10	5.67E-10	0.00E+00	0.00E+00	0.00E+00	5.67E-10
769	380655.62	3736398.28	8.11E-09	0.00E+00	0.00E+00	0.00E+00	8.11E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09	8.30E-10	0.00E+00	0.00E+00	0.00E+00	8.30E-10
770	380685.62	3736398.28	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
771	381432.08	3737194.31	9.61E-09	0.00E+00	0.00E+00	0.00E+00	9.61E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09	9.84E-10	0.00E+00	0.00E+00	0.00E+00	9.84E-10
772	381422.5	3737135.21	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
773	381417.71	3737042.57	1.43E-08	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.21E-09	0.00E+00	0.00E+00	0.00E+00	2.21E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09
774	381400.14	3736975.49	2.01E-08	0.00E+00	0.00E+00	0.00E+00	2.01E-08	3.10E-09	0.00E+00	0.00E+00	0.00E+00	3.10E-09	2.06E-09	0.00E+00	0.00E+00	0.00E+00	2.06E-09
775	381473.61	3736975.49	8.71E-09	0.00E+00	0.00E+00	0.00E+00	8.71E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09	8.92E-10	0.00E+00	0.00E+00	0.00E+00	8.92E-10
776	381459.23	3737069.73	8.52E-09	0.00E+00	0.00E+00	0.00E+00	8.52E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09	8.72E-10	0.00E+00	0.00E+00	0.00E+00	8.72E-10
777	381468.82	3737138.4	7.42E-09	0.00E+00	0.00E+00	0.00E+00	7.42E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09	7.60E-10	0.00E+00	0.00E+00	0.00E+00	7.60E-10
778	381526.31	3737066.53	4.82E-09	0.00E+00	0.00E+00	0.00E+00	4.82E-09	7.44E-10	0.00E+00	0.00E+00	0.00E+00	7.44E-10	4.94E-10	0.00E+00	0.00E+00	0.00E+00	4.94E-10
779	381555.06	3736980.28	4.58E-09	0.00E+00	0.00E+00	0.00E+00	4.58E-09	7.05E-10	0.00E+00	0.00E+00	0.00E+00	7.05E-10	4.69E-10	0.00E+00	0.00E+00	0.00E+00	4.69E-10
780	381494.37	3737026.6	6.60E-09	0.00E+00	0.00E+00	0.00E+00	6.60E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09	6.76E-10	0.00E+00	0.00E+00	0.00E+00	6.76E-10
781	381262.35	3736355.69	1.40E-08	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.16E-09	0.00E+00	0.00E+00	0.00E+00	2.16E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09
782	381292.35	3736355.69	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.92E-09	0.00E+00	0.00E+00	0.00E+00	1.92E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
783	381262.35	3736385.69	1.53E-08	0.00E+00	0.00E+00	0.00E+00	1.53E-08	2.35E-09	0.00E+00	0.00E+00	0.00E+00	2.35E-09	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09
784	381292.35	3736385.69	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.07E-09	0.00E+00	0.00E+00	0.00E+00	2.07E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
785	381322.35	3736385.69	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
786	381262.35	3736415.69	1.66E-08	0.00E+00	0.00E+00	0.00E+00	1.66E-08	2.56E-09	0.00E+00	0.00E+00	0.00E+00	2.56E-09	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09
787	381292.35	3736415.69	1.44E-08	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.22E-09	0.00E+00	0.00E+00	0.00E+00	2.22E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09
788	381322.35	3736415.69	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
789	381352.35	3736415.69	1.11E-08	0.00E+00	0.00E+00	0.00E+00	1.11E-08	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
790	381262.35	3736445.69	1.80E-08	0.00E+00	0.00E+00	0.00E+00	1.80E-08	2.78E-09	0.00E+00	0.00E+00	0.00E+00	2.78E-09	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09
791	381292.35	3736445.69	1.54E-08	0.00E+00	0.00E+00	0.00E+00	1.54E-08	2.37E-09	0.00E+00	0.00E+00	0.00E+00	2.37E-09	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09
792	381322.35	3736445.69	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.06E-09	0.00E+00	0.00E+00	0.00E+00	2.06E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
793	381352.35	3736445.69	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
794	381262.35	3736475.69	1.96E-08	0.00E+00	0.00E+00	0.00E+00	1.96E-08	3.02E-09	0.00E+00	0.00E+00	0.00E+00	3.02E-09	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09
795	381292.35	3736475.69	1.65E-08	0.00E+00	0.00E+00	0.00E+00	1.65E-08	2.55E-09	0.00E+00	0.00E+00	0.00E+00	2.55E-09	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09
796	381322.35	3736475.69	1.42E-08	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.18E-09	0.00E+00	0.00E+00	0.00E+00	2.18E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09
797	381352.35	3736475.69	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
798	381382.35	3736475.69	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
799	381262.35	3736505.69	2.14E-08	0.00E+00	0.00E+00	0.00E+00	2.14E-08	3.30E-09	0.00E+00	0.00E+00	0.00E+00	3.30E-09	2.19E-09	0.00E+00	0.00E+00	0.00E+00	2.19E-09
800	381292.35	3736505.69	1.78E-08	0.00E+00	0.00E+00	0.00E+00	1.78E-08	2.74E-09	0.00E+00	0.00E+00	0.00E+00	2.74E-09	1.82E-09	0.00E+00	0.00E+00	0.00E+00	1.82E-09
801	381322.35	3736505.69	1.50E-08	0.00E+00	0.00E+00	0.00E+00	1.50E-08	2.32E-09	0.00E+00	0.00E+00	0.00E+00	2.32E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09
802	381352.35	3736505.69	1.29E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-08	1.99E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
803	381382.35	3736505.69	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09
804	381262.35	3736535.69	2.35E-08	0.00E+00	0.00E+00	0.00E+00	2.35E-08	3.63E-09	0.00E+00	0.00E+00	0.00E+00	3.63E-09	2.41E-09	0.00E+00	0.00E+00	0.00E+00	2.41E-09
805	381292.35	3736535.69	1.92E-08	0.00E+00	0.00E+00	0.00E+00	1.92E-08	2.96E-09	0.00E+00	0.00E+00	0.00E+00	2.96E-09	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09
806	381322.35	3736535.69	1.60E-08	0.00E+00	0.00E+00	0.00E+00	1.60E-08	2.46E-09	0.00E+00	0.00E+00	0.00E+00	2.46E-09	1.64E-09	0.00E+00	0.00E+00	0.00E+00	1.64E-09
807	381352.35	3736535.69	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.09E-09	0.00E+00	0.00E+00	0.00E+00	2.09E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09
808	381382.35	3736535.69	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09
809	381412.35	3736535.69	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.57E-09	0.00E+00	0.00E+00	0.00E+00	1.57E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
810	381262.35	3736565.69	2.62E-08	0.00E+00	0.00E+00	0.00E+00	2.62E-08	4.04E-09	0.00E+00	0.00E+00	0.00E+00	4.04E-09	2.69E-09	0.00E+00	0.00E+00	0.00E+00	2.69E-09
811	381292.35	3736565.69	2.09E-08	0.00E+00	0.00E+00	0.00E+00	2.09E-08	3.22E-09	0.00E+00	0.00E+00	0.00E+00	3.22E-09	2.14E-09	0.00E+00	0.00E+00	0.00E+00	2.14E-09
812	381322.35	3736565.69	1.71E-08	0.00E+00	0.00E+00	0.00E+00	1.71E-08	2.63E-09	0.00E+00	0.00E+00	0.00E+00	2.63E-09	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09
813	381352.35	3736565.69	1.44E-08	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.21E-09	0.00E+00	0.00E+00	0.00E+00	2.21E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09
814	381382.35	3736565.69	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
815	381412.35	3736565.69	1.06E-08	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.63E-09	0.00E+00	0.00E+00	0.00E+00	1.63E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
816	381262.35	3736595.69	2.97E-08	0.00E+00	0.00E+00	0.00E+00	2.97E-08	4.57E-09	0.00E+00	0.00E+00	0.00E+00	4.57E-09	3.04E-09	0.00E+00	0.00E+00	0.00E+00	3.04E-09
817	381292.35	3736595.69	2.30E-08	0.00E+00	0.00E+00	0.00E+00	2.30E-08	3.54E-09	0.00E+00	0.00E+00	0.00E+00	3.54E-09	2.35E-09	0.00E+00	0.00E+00	0.00E+00	2.35E-09
818	381322.35	3736595.69	1.84E-08	0.00E+00	0.00E+00	0.00E+00	1.84E-08	2.84E-09	0.00E+00	0.00E+00	0.00E+00	2.84E-09	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09
819	381352.35	3736595.69	1.53E-08	0.00E+00	0.00E+00	0.00E+00	1.53E-08	2.35E-09	0.00E+00	0.00E+00	0.00E+00	2.35E-09	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09
820	381382.35	3736595.69	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
821	381412.35	3736595.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
822	381442.35	3736595.69	9.50E-09	0.00E+00	0.00E+00	0.00E+00	9.50E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09	9.73E-10	0.00E+00	0.00E+00	0.00E+00	9.73E-10
823	381262.35	3736625.69	3.41E-08	0.00E+00	0.00E+00	0.00E+00	3.41E-08	5.26E-09	0.00E+00	0.00E+00	0.00E+00	5.26E-09	3.50E-09	0.00E+00	0.00E+00	0.00E+00	3.50E-09
824	381292.35	3736625.69	2.54E-08	0.00E+00	0.00E+00	0.00E+00	2.54E-08	3.92E-09	0.00E+00	0.00E+00	0.00E+00	3.92E-09	2.60E-09	0.00E+00	0.00E+00	0.00E+00	2.60E-09
825	381322.35	3736625.69	2.00E-08	0.00E+00	0.00E+00	0.00E+00	2.00E-08	3.08E-09	0.00E+00	0.00E+00	0.00E+00	3.08E-09	2.05E-09	0.00E+00	0.00E+00	0.00E+00	2.05E-09
826	381352.35	3736625.69	1.63E-08	0.00E+00	0.00E+00	0.00E+00	1.63E-08	2.51E-09	0.00E+00	0.00E+00	0.00E+00	2.51E-09	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09
827	381382.35	3736625.69	1.35E-08	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.08E-09	0.00E+00	0.00E+00	0.00E+00	2.08E-09	1.38E-09	0.00E+00	0.00E+00	0.00E+00	1.38E-09
828	381412.35	3736625.69	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
829	381442.35	3736625.69	9.80E-09	0.00E+00	0.00E+00	0.00E+00	9.80E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09	1.00E-09	0.00E+00	0.00E+00	0.00E+00	1.00E-09
830	381262.35	3736655.69	4.03E-08	0.00E+00	0.00E+00	0.00E+00	4.03E-08	6.22E-09	0.00E+00	0.00E+00	0.00E+00	6.22E-09	4.13E-09	0.00E+00	0.00E+00	0.00E+00	4.13E-09
831	381292.35	3736655.69	2.85E-08	0.00E+00	0.00E+00	0.00E+00	2.85E-08	4.39E-09	0.00E+00	0.00E+00	0.00E+00	4.39E-09	2.92E-09	0.00E+00	0.00E+00	0.00E+00	2.92E-09
832	381322.35	3736655.69	2.18E-08	0.00E+00	0.00E+00	0.00E+00	2.18E-08	3.36E-09	0.00E+00	0.00E+00	0.00E+00	3.36E-09	2.23E-09	0.00E+00	0.00E+00	0.00E+00	2.23E-09
833	381352.35	3736655.69	1.75E-08	0.00E+00	0.00E+00	0.00E+00	1.75E-08	2.69E-09	0.00E+00	0.00E+00	0.00E+00	2.69E-09	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09
834	381382.35	3736655.69	1.43E-08	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.20E-09	0.00E+00	0.00E+00	0.00E+00	2.20E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09
835	381412.35	3736655.69	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
836	381442.35	3736655.69	1.01E-08	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09
837	381472.35	3736655.69	8.76E-09	0.00E+00	0.00E+00	0.00E+00	8.76E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09	8.97E-10	0.00E+00	0.00E+00	0.00E+00	8.97E-10
838	381262.35	3736685.69	4.88E-08	0.00E+00	0.00E+00	0.00E+00	4.88E-08	7.52E-09	0.00E+00	0.00E+00	0.00E+00	7.52E-09	5.00E-09	0.00E+00	0.00E+00	0.00E+00	5.00E-09
839	381292.35	3736685.69	3.26E-08	0.00E+00	0.00E+00	0.00E+00	3.26E-08	5.02E-09	0.00E+00	0.00E+00	0.00E+00	5.02E-09	3.34E-09	0.00E+00	0.00E+00	0.00E+00	3.34E-09
840	381322.35	3736685.69	2.40E-08	0.00E+00	0.00E+00	0.00E+00	2.40E-08	3.70E-09	0.00E+00	0.00E+00	0.00E+00	3.70E-09	2.46E-09	0.00E+00	0.00E+00	0.00E+00	2.46E-09
841	381352.35	3736685.69	1.88E-08	0.00E+00	0.00E+00	0.00E+00	1.88E-08	2.90E-09	0.00E+00	0.00E+00	0.00E+00	2.90E-09	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09
842	381382.35	3736685.69	1.51E-08	0.00E+00	0.00E+00	0.00E+00	1.51E-08	2.33E-09	0.00E+00	0.00E+00	0.00E+00	2.33E-09	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09
843	381412.35	3736685.69	1.25E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09
844	381442.35	3736685.69	1.05E-08	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09
845	381472.35	3736685.69	9.01E-09	0.00E+00	0.00E+00	0.00E+00	9.01E-09	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09	9.23E-10	0.00E+00	0.00E+00	0.00E+00	9.23E-10
846	381292.35	3736715.69	3.77E-08	0.00E+00	0.00E+00	0.00E+00	3.77E-08	5.82E-09	0.00E+00	0.00E+00	0.00E+00	5.82E-09	3.87E-09	0.00E+00	0.00E+00	0.00E+00	3.87E-09
847	381322.35	3736715.69	2.68E-08	0.00E+00	0.00E+00	0.00E+00	2.68E-08	4.14E-09	0.00E+00	0.00E+00	0.00E+00	4.14E-09	2.75E-09	0.00E+00	0.00E+00	0.00E+00	2.75E-09
848	381352.35	3736715.69	2.05E-08	0.00E+00	0.00E+00	0.00E+00	2.05E-08	3.16E-09	0.00E+00	0.00E+00	0.00E+00	3.16E-09	2.10E-09	0.00E+00	0.00E+00	0.00E+00	2.10E-09
849	381382.35	3736715.69	1.62E-08	0.00E+00	0.00E+00	0.00E+00	1.62E-08	2.50E-09	0.00E+00	0.00E+00	0.00E+00	2.50E-09	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09
850	381412.35	3736715.69	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.03E-09	0.00E+00	0.00E+00	0.00E+00	2.03E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.35E-09
851	381442.35	3736715.69	1.10E-08	0.00E+00	0.00E+00	0.00E+00	1.10E-08	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
852	381472.35	3736715.69	9.28E-09	0.00E+00	0.00E+00	0.00E+00	9.28E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09	9.50E-10	0.00E+00	0.00E+00	0.00E+00	9.50E-10

853	381292.35	3736745.69	4.54E-08	0.00E+00	0.00E+00	0.00E+00	4.54E-08	7.00E-09	0.00E+00	0.00E+00	0.00E+00	7.00E-09	4.65E-09	0.00E+00	0.00E+00	0.00E+00	4.65E-09
854	381322.35	3736745.69	3.08E-08	0.00E+00	0.00E+00	0.00E+00	3.08E-08	4.75E-09	0.00E+00	0.00E+00	0.00E+00	4.75E-09	3.16E-09	0.00E+00	0.00E+00	0.00E+00	3.16E-09
855	381352.35	3736745.69	2.26E-08	0.00E+00	0.00E+00	0.00E+00	2.26E-08	3.48E-09	0.00E+00	0.00E+00	0.00E+00	3.48E-09	2.31E-09	0.00E+00	0.00E+00	0.00E+00	2.31E-09
856	381382.35	3736745.69	1.75E-08	0.00E+00	0.00E+00	0.00E+00	1.75E-08	2.69E-09	0.00E+00	0.00E+00	0.00E+00	2.69E-09	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09
857	381412.35	3736745.69	1.40E-08	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.15E-09	0.00E+00	0.00E+00	0.00E+00	2.15E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
858	381442.35	3736745.69	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	1.76E-09	0.00E+00	0.00E+00	0.00E+00	1.76E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09
859	381472.35	3736745.69	9.55E-09	0.00E+00	0.00E+00	0.00E+00	9.55E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09	9.78E-10	0.00E+00	0.00E+00	0.00E+00	9.78E-10
860	381502.35	3736745.69	8.07E-09	0.00E+00	0.00E+00	0.00E+00	8.07E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09	8.27E-10	0.00E+00	0.00E+00	0.00E+00	8.27E-10
861	381322.35	3736775.69	3.57E-08	0.00E+00	0.00E+00	0.00E+00	3.57E-08	5.50E-09	0.00E+00	0.00E+00	0.00E+00	5.50E-09	3.66E-09	0.00E+00	0.00E+00	0.00E+00	3.66E-09
862	381352.35	3736775.69	2.51E-08	0.00E+00	0.00E+00	0.00E+00	2.51E-08	3.87E-09	0.00E+00	0.00E+00	0.00E+00	3.87E-09	2.57E-09	0.00E+00	0.00E+00	0.00E+00	2.57E-09
863	381382.35	3736775.69	1.89E-08	0.00E+00	0.00E+00	0.00E+00	1.89E-08	2.91E-09	0.00E+00	0.00E+00	0.00E+00	2.91E-09	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09
864	381412.35	3736775.69	1.48E-08	0.00E+00	0.00E+00	0.00E+00	1.48E-08	2.28E-09	0.00E+00	0.00E+00	0.00E+00	2.28E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09
865	381442.35	3736775.69	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09
866	381472.35	3736775.69	9.77E-09	0.00E+00	0.00E+00	0.00E+00	9.77E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09	1.00E-09	0.00E+00	0.00E+00	0.00E+00	1.00E-09
867	381502.35	3736775.69	8.17E-09	0.00E+00	0.00E+00	0.00E+00	8.17E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09	8.36E-10	0.00E+00	0.00E+00	0.00E+00	8.36E-10
868	381322.35	3736805.69	4.19E-08	0.00E+00	0.00E+00	0.00E+00	4.19E-08	6.46E-09	0.00E+00	0.00E+00	0.00E+00	6.46E-09	4.30E-09	0.00E+00	0.00E+00	0.00E+00	4.30E-09
869	381352.35	3736805.69	2.80E-08	0.00E+00	0.00E+00	0.00E+00	2.80E-08	4.32E-09	0.00E+00	0.00E+00	0.00E+00	4.32E-09	2.87E-09	0.00E+00	0.00E+00	0.00E+00	2.87E-09
870	381382.35	3736805.69	2.05E-08	0.00E+00	0.00E+00	0.00E+00	2.05E-08	3.15E-09	0.00E+00	0.00E+00	0.00E+00	3.15E-09	2.10E-09	0.00E+00	0.00E+00	0.00E+00	2.10E-09
871	381412.35	3736805.69	1.56E-08	0.00E+00	0.00E+00	0.00E+00	1.56E-08	2.41E-09	0.00E+00	0.00E+00	0.00E+00	2.41E-09	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09
872	381442.35	3736805.69	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09
873	381472.35	3736805.69	9.94E-09	0.00E+00	0.00E+00	0.00E+00	9.94E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
874	381502.35	3736805.69	8.19E-09	0.00E+00	0.00E+00	0.00E+00	8.19E-09	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.26E-09	8.39E-10	0.00E+00	0.00E+00	0.00E+00	8.39E-10
875	381532.35	3736805.69	6.86E-09	0.00E+00	0.00E+00	0.00E+00	6.86E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09	7.02E-10	0.00E+00	0.00E+00	0.00E+00	7.02E-10
876	381322.35	3736835.69	4.99E-08	0.00E+00	0.00E+00	0.00E+00	4.99E-08	7.69E-09	0.00E+00	0.00E+00	0.00E+00	7.69E-09	5.11E-09	0.00E+00	0.00E+00	0.00E+00	5.11E-09
877	381352.35	3736835.69	3.11E-08	0.00E+00	0.00E+00	0.00E+00	3.11E-08	4.80E-09	0.00E+00	0.00E+00	0.00E+00	4.80E-09	3.19E-09	0.00E+00	0.00E+00	0.00E+00	3.19E-09
878	381382.35	3736835.69	2.20E-08	0.00E+00	0.00E+00	0.00E+00	2.20E-08	3.39E-09	0.00E+00	0.00E+00	0.00E+00	3.39E-09	2.25E-09	0.00E+00	0.00E+00	0.00E+00	2.25E-09
879	381412.35	3736835.69	1.63E-08	0.00E+00	0.00E+00	0.00E+00	1.63E-08	2.52E-09	0.00E+00	0.00E+00	0.00E+00	2.52E-09	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09
880	381442.35	3736835.69	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
881	381472.35	3736835.69	9.99E-09	0.00E+00	0.00E+00	0.00E+00	9.99E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
882	381502.35	3736835.69	8.13E-09	0.00E+00	0.00E+00	0.00E+00	8.13E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09	8.33E-10	0.00E+00	0.00E+00	0.00E+00	8.33E-10
883	381532.35	3736835.69	6.73E-09	0.00E+00	0.00E+00	0.00E+00	6.73E-09	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09	6.89E-10	0.00E+00	0.00E+00	0.00E+00	6.89E-10
884	381352.35	3736865.69	3.44E-08	0.00E+00	0.00E+00	0.00E+00	3.44E-08	5.30E-09	0.00E+00	0.00E+00	0.00E+00	5.30E-09	3.52E-09	0.00E+00	0.00E+00	0.00E+00	3.52E-09
885	381382.35	3736865.69	2.34E-08	0.00E+00	0.00E+00	0.00E+00	2.34E-08	3.61E-09	0.00E+00	0.00E+00	0.00E+00	3.61E-09	2.40E-09	0.00E+00	0.00E+00	0.00E+00	2.40E-09
886	381412.35	3736865.69	1.69E-08	0.00E+00	0.00E+00	0.00E+00	1.69E-08	2.60E-09	0.00E+00	0.00E+00	0.00E+00	2.60E-09	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09
887	381442.35	3736865.69	1.27E-08	0.00E+00	0.00E+00	0.00E+00	1.27E-08	1.96E-09	0.00E+00	0.00E+00	0.00E+00	1.96E-09	1.30E-09	0.00E+00	0.00E+00	0.00E+00	1.30E-09
888	381472.35	3736865.69	9.93E-09	0.00E+00	0.00E+00	0.00E+00	9.93E-09	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09
889	381502.35	3736865.69	7.97E-09	0.00E+00	0.00E+00	0.00E+00	7.97E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09	8.16E-10	0.00E+00	0.00E+00	0.00E+00	8.16E-10
890	381532.35	3736865.69	6.52E-09	0.00E+00	0.00E+00	0.00E+00	6.52E-09	1.00E-09	0.00E+00	0.00E+00	0.00E+00	1.00E-09	6.68E-10	0.00E+00	0.00E+00	0.00E+00	6.68E-10
891	381352.35	3736895.69	3.74E-08	0.00E+00	0.00E+00	0.00E+00	3.74E-08	5.76E-09	0.00E+00	0.00E+00	0.00E+00	5.76E-09	3.83E-09	0.00E+00	0.00E+00	0.00E+00	3.83E-09
892	381382.35	3736895.69	2.45E-08	0.00E+00	0.00E+00	0.00E+00	2.45E-08	3.78E-09	0.00E+00	0.00E+00	0.00E+00	3.78E-09	2.51E-09	0.00E+00	0.00E+00	0.00E+00	2.51E-09
893	381412.35	3736895.69	1.71E-08	0.00E+00	0.00E+00	0.00E+00	1.71E-08	2.64E-09	0.00E+00	0.00E+00	0.00E+00	2.64E-09	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09
894	381442.35	3736895.69	1.26E-08	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.95E-09	0.00E+00	0.00E+00	0.00E+00	1.95E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	1.29E-09
895	381472.35	3736895.69	9.74E-09	0.00E+00	0.00E+00	0.00E+00	9.74E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09	9.98E-10	0.00E+00	0.00E+00	0.00E+00	9.98E-10
896	381502.35	3736895.69	7.73E-09	0.00E+00	0.00E+00	0.00E+00	7.73E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09	7.92E-10	0.00E+00	0.00E+00	0.00E+00	7.92E-10
897	381532.35	3736895.69	6.26E-09	0.00E+00	0.00E+00	0.00E+00	6.26E-09	9.64E-10	0.00E+00	0.00E+00	0.00E+00	9.64E-10	6.41E-10	0.00E+00	0.00E+00	0.00E+00	6.41E-10
898	381562.35	3736895.69	5.17E-09	0.00E+00	0.00E+00	0.00E+00	5.17E-09	7.97E-10	0.00E+00	0.00E+00	0.00E+00	7.97E-10	5.29E-10	0.00E+00	0.00E+00	0.00E+00	5.29E-10
899	381352.35	3736925.69	4.11E-08	0.00E+00	0.00E+00	0.00E+00	4.11E-08	6.34E-09	0.00E+00	0.00E+00	0.00E+00	6.34E-09	4.21E-09	0.00E+00	0.00E+00	0.00E+00	4.21E-09
900	381382.35	3736925.69	2.53E-08	0.00E+00	0.00E+00	0.00E+00	2.53E-08	3.90E-09	0.00E+00	0.00E+00	0.00E+00	3.90E-09	2.59E-09	0.00E+00	0.00E+00	0.00E+00	2.59E-09
901	381412.35	3736925.69	1.70E-08	0.00E+00	0.00E+00	0.00E+00	1.70E-08	2.62E-09	0.00E+00	0.00E+00	0.00E+00	2.62E-09	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09
902	381442.35	3736925.69	1.24E-08	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09
903	381472.35	3736925.69	9.46E-09	0.00E+00	0.00E+00	0.00E+00	9.46E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09	9.69E-10	0.00E+00	0.00E+00	0.00E+00	9.69E-10
904	381502.35	3736925.69	7.42E-09	0.00E+00	0.00E+00	0.00E+00	7.42E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09	7.60E-10	0.00E+00	0.00E+00	0.00E+00	7.60E-10
905	381532.35	3736925.69	5.97E-09	0.00E+00	0.00E+00	0.00E+00	5.97E-09	9.20E-10	0.00E+00	0.00E+00	0.00E+00	9.20E-10	6.11E-10	0.00E+00	0.00E+00	0.00E+00	6.11E-10
906	381562.35	3736925.69	4.89E-09	0.00E+00	0.00E+00	0.00E+00	4.89E-09	7.54E-10	0.00E+00	0.00E+00	0.00E+00	7.54E-10	5.01E-10	0.00E+00	0.00E+00	0.00E+00	5.01E-10
907	381382.35	3736955.69	2.60E-08	0.00E+00	0.00E+00	0.00E+00	2.60E-08	4.01E-09	0.00E+00	0.00E+00	0.00E+00	4.01E-09	2.67E-09	0.00E+00	0.00E+00	0.00E+00	2.67E-09
908	381412.35	3736955.69	1.70E-08	0.00E+00	0.00E+00	0.00E+00	1.70E-08	2.62E-09	0.00E+00	0.00E+00	0.00E+00	2.62E-09	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09
909	381442.35	3736955.69	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
910	381472.35	3736955.69	9.07E-09	0.00E+00	0.00E+00	0.00E+00	9.07E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09	9.29E-10	0.00E+00	0.00E+00	0.00E+00	9.29E-10
911	381502.35	3736955.69	7.06E-09	0.00E+00	0.00E+00	0.00E+00	7.06E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09	7.23E-10	0.00E+00	0.00E+00	0.00E+00	7.23E-10
912	381532.35	3736955.69	5.64E-09	0.00E+00	0.00E+00	0.00E+00	5.64E-09	8.70E-10	0.00E+00	0.00E+00	0.00E+00	8.70E-10	5.78E-10	0.00E+00	0.00E+00	0.00E+00	5.78E-10
913	381562.35	3736955.69	4.60E-09	0.00E+00	0.00E+00	0.00E+00	4.60E-09	7.09E-10	0.00E+00	0.00E+00	0.00E+00	7.09E-10	4.71E-10	0.00E+00	0.00E+00	0.00E+00	4.71E-10
914	380937.58	3735460.07	4.30E-10	0.00E+00	0.00E+00	0.00E+00	4.30E-10	6.63E-11	0.00E+00	0.00E+00	0.00E+00	6.63E-11	4.40E-11	0.00E+00	0.00E+00	0.00E+00	4.40E-11
915	380967.58	3735460.07	4.42E-10	0.00E+00	0.00E+00	0.00E+00	4.42E-10	6.81E-11	0.00E+00	0.00E+00	0.00E+00	6.81E-11	4.53E-11	0.00E+00	0.00E+00	0.00E+00	4.53E-11
916	380997.58	3735460.07	4.54E-10	0.00E+00	0.00E+00	0.00E+00	4.54E-10	6.99E-11	0.00E+00	0.00E+00	0.00E+00	6.99E-11	4.65E-11	0.00E+00	0.00E+00	0.00E+00	4.65E-11
917	381027.58	3735460.07	4.65E-10	0.00E+00	0.00E+00	0.00E+00	4.65E-10	7.17E-11	0.00E+00	0.00E+00	0.00E+00	7.17E-11	4.76E-11	0.00E+00	0.00E+00	0.00E+00	4.76E-11
918	381057.58	3735460.07	4.76E-10	0.00E+00	0.00E+00	0.00E+00	4.76E-10	7.34E-11	0.00E+00	0.00E+00	0.00E+00	7.34E-11	4.88E-11	0.00E+00	0.00E+00	0.00E+00	4.88E-11
919	381087.58	3735460.07	4.87E-10	0.00E+00	0.00E+00	0.00E+00	4.87E-10	7.50E-11	0.00E+00	0.00E+00	0.00E+00	7.50E-11	4.99E-11	0.00E+00	0.00E+00	0.00E+00	4.99E-11
920	381117.58	3735460.07	4.97E-10	0.00E+00	0.00E+00	0.00E+00	4.97E-10	7.66E-11	0.00E+00	0.00E+00	0.00E+00	7.66E-11	5.09E-11	0.00E+00	0.00E+00	0.00E+00	5.09E-11
921	381147.58	3735460.07	5.07E-10	0.00E+00	0.00E+00	0.00E+00	5.07E-10	7.82E-11	0.00E+00	0.00E+00	0.00E+00	7.82E-11	5.19E-11	0.00E+00	0.00E+00	0.00E+00	5.19E-11
922	381177.58	3735460.07	5.17E-10	0.00E+00	0.00E+00	0.00E+00	5.17E-10	7.96E-11	0.00E+00	0.00E+00	0.00E+00	7.96E-11	5.29E-11	0.00E+00	0.00E+00	0.00E+00	5.29E-11
923	381207.58	3735460.07	5.26E-10	0.00E+00	0.00E+00	0.00E+00	5.26E-10	8.11E-11	0.00E+00	0.00E+00	0.00E+00	8.11E-11	5.39E-11	0.00E+00	0.00E+00	0.00E+00	5.39E-11
924	381237.58	3735460.07	5.35E-10	0.00E+00	0.00E+00	0.00E+00	5.35E-10	8.25E-11	0.00E+00	0.00E+00	0.00E+00	8.25E-11	5.48E-11	0.00E+00	0.00E+00	0.00E+00	5.48E-11
925	381267.58	3735460.07	5.44E-10	0.00E+00	0.00E+00	0.00E+00	5.44E-10	8.39E-11	0.00E+00	0.00E+00	0.00E+00	8.39E-11	5.58E-11	0.00E+00	0.00E+00	0.00E+00	5.58E-11
926	381297.58	3735460.07	5.53E-10	0.00E+00	0.00E+00	0.00E+00	5.53E-10	8.53E-11	0.00E+00	0.00E+00	0.00E+00	8.53E-11	5.67E-11	0.00E+00	0.00E+00	0.00E+00	5.67E-11
927	381327.58	3735460.07	5.62E-10	0.00E+00	0.00E+00	0.00E+00	5.62E-10	8.67E-11	0.00E+00	0.00E+00	0.00E+00	8.67E-11	5.76E-11	0.00E+00	0.00E+00	0.00E+00	5.76E-11
928	381357.58	3735460.07	5.72E-10	0.00E+00	0.00E+00	0.00E+00	5.72E-10	8.81E-11	0.00E+00	0.00E+00	0.00E+00	8.81E-11	5.85E-11	0.00E+00	0.00E+00	0.00E+00	5.85E-11
929	381387.58	3735460.07	5.81E-10	0.00E+00	0.00E+00	0.00E+00	5.81E-10	8.95E-11	0.00E+00	0.00E+00	0.00E+00	8.95E-11	5.95E-11	0.00E+00	0.00E+00	0.00E+00	5.95E-11
930	381417.58	3735460.07	5.90E-10	0.00E+00	0.00E+00	0.00E+00	5.90E-10	9.09E-11	0.00E+00	0.00E+00	0.00E+00	9.09E-11	6.04E-11	0.00E+00	0.00E+00	0.00E+00	6.04E-11
931	381447.58	3735460.07	5.99E-10	0.00E+00	0.00E+00	0.00E+00	5.99E-10	9.23E-11	0.00E+00	0.00E+00	0.00E+00	9.23E-11	6.13E-11	0.00E+00	0.00E+00	0.00E+00	6.13E-11
932	381477.58	3735460.07	6.08E-10	0.00E+00	0.00E+00	0.00E+00	6.08E-10	9.37E-11	0.00E+00	0.00E+00	0.00E+00	9.37E-11	6.23E-11	0.00E+00	0.00E+00	0.00E+00	6.23E-11
933	381507.58	3735460.07	6.18E-10	0.00E+00	0.00E+00	0.00E+00	6.18E-10	9.52E-11	0.00E+00	0.00E+00	0.00E+00	9.52E-11	6.33E-11	0.00E+00	0.00E+00	0.00E+00	6.33E-11
934	381537.58	3735460.07	6.27E-10	0.00E+00	0.00E+00	0.00E+00	6.27E-10	9.67E-11	0.00E+00	0.00E+00	0.00E+00	9.67E-11	6.43E-11	0.00E+00	0.00E+00	0.00E+00	6.43E-11
935	381567.58	3735460.07	6.37E-10	0.00E+00	0.00E+00	0.00E+00	6.37E-10	9.82E-11	0.00E+00	0.00E+00	0.00E+00	9.82E-11	6.53E-11	0.00E+00	0.00E+00	0.00E+00	6.53E-11
936	381597.58	3735460.07	6.47E-10	0.00E+00	0.00E+00	0.00E+00	6.47E-10	9.97E-11	0.00E+00	0.00E+00	0.00E+00	9.97E-11	6.63E-11	0.00E+00	0.00E+00	0.00E+00	6.63E-11
937	381627.58	3735460.07	6.57E-10	0.00E+00	0.00E+00	0.00E+00	6.57E-10	1.01E-10	0.00E+00	0.00E+00	0.00E+00	1.01E-10	6.73E-11	0.00E+00	0.00E+00	0.00E+00	6.73E-11
938	381657.58	3735460.07	6.67E-10	0.00E+00	0.00E+00	0.00E+00	6.67E-10	1.03E-10	0.00E+00	0.00E+00	0.00E+00	1.03E-10	6.84E-11	0.00E+00	0.00E+00	0.00E+00	6.84E-11
939	381687.58	3735460.07	6.77E-10	0.00E+00	0.00E+00	0.00E+00	6.77E-10	1.04E-10	0.00E+00	0.00E+00	0.00E+00	1.04E-10	6.94E-11	0.00E+00	0.00E+00	0.00E+00	6.94E-11
940	381717.58	3735460.07	6.87E-10	0.00E+00	0.00E+00	0.00E+00	6.87E-10	1.06E-10	0.00E+00	0.00E+00	0.00E+00	1.06E-10	7.03E-11	0.00E+00	0.00E+00	0.00E+00	7.03E-11
941	381747.58	3735460.07	6.96E-10	0.00E+00	0.00E+00	0.00E+00	6.96E-10	1.07E-10	0.00E+00	0.00E+00	0.00E+00	1.07E-10	7.13E-11	0.00E+00	0.00E+00	0.00E+00	7.13E-11
942	381777.58	3735460.07	7.05E-10	0.00E+00	0.00E+00	0.00E+00	7.05E-10	1.09E-10	0.00E+00	0.00E+00	0.00E+00	1.09E-10	7.23E-11	0.00E+00	0.00E+00	0.00E+00	7.23E-11
943	381807.58	3735460.07	7.14E-10	0.00E+00	0.00E+00	0.00E+00	7.14E-10	1.10E-10	0.00E+00	0.00E+00	0.00E+00	1.10E-10	7.31E-11	0.00E+00	0.00E+00	0.00E+00	7.31E-11
944	380937.58	3735490.07	4.56E-10	0.00E+00	0.00E+00	0.00E+00	4.56E-10	7.03E-11	0.00E+00	0.00E+00	0.00E+00	7.03E-11	4.67E-11	0.00E+00	0.00E+00	0.00E+00	4.67E-11
945	380967.58	3735490.07	4.70E-10	0.00E+00	0.00E+00	0.00E+00	4.70E-10	7.24E-11	0.00E+00	0.00E+00	0.00E+00	7.24E-11	4.81E-11	0.00E+00	0.00E+00	0.00E+00	4.81E-11
946	380997.58	3735490.07	4.82E-10	0.00E+00	0.00E+00	0.00E+00	4.82E-10	7.43E-11	0.00E+00	0.00E+00	0.00E+00	7.43E-11	4.94E-11	0.00E+00	0.00E+00	0.00E+00	4.94E-11
947	381027.58	3735490.07	4.94E-10	0.00E+00	0.00E+00	0.00E+00	4.94E-10	7.62E-11	0.00E+00	0.00E+00	0.00E+00	7.62E-11	5.06E-11	0.00E+00	0.00E+00	0.00E+00	5.06E-11
948	381057.58	3735490.07	5.06E-10	0.00E+00	0.00E+00	0.00E+00	5.06E-10	7.81E-11	0.00E+00	0.00E+00	0.00E+00	7.81E-11	5.19E-11	0.00E+00	0.00E+00	0.00E+00	5.19E-11
949	381087.58	3735490.07	5.18E-10	0.00E+00	0.00E+00	0.00E+00	5.18E-10	7.99E-11	0.00E+00	0.00E+00	0.00E+00	7.99E-11	5.31E-11	0.00E+00	0.00E+00	0.00E+00	5.31E-11
950	381117.58	3735490.07	5.29E-10	0.00E+00	0.00E+00	0.00E+00	5.29E-10	8.16E-11	0.00E+00	0.00E+00	0.00E+00	8.16E-11	5.42E-11	0.00E+00	0.00E+00	0.00E+00	5.42E-11
951	381147.58	3735490.07	5.40E-10	0.00E+00	0.00E+00	0.00E+00	5.40E-10	8.32E-11	0.00E+00	0.00E+00	0.00E+00	8.32E-11	5.53E-11	0.00E+00	0.00E+00	0.00E+00	5.53E-11
952	381177.58	3735490.07	5.51E-10	0.00E+00	0.00E+00	0.00E+00	5.51E-10	8.49E-11	0.00E+00	0.00E+00	0.00E+00	8.49E-11	5.64E-11	0.00E+00	0.00E+00	0.00E+00	5.64E-11
953	381207.58	3735490.07	5.61E-10	0.00E+00	0.00E+00	0.00E+00	5.61E-10	8.64E-11	0.00E+00	0.00E+00	0.00E+00	8.64E-11	5.74E-11	0.00E+00	0.00E+00	0.00E+00	5.74E-11
954	381237.58	3735490.07	5.71E-10	0.00E+00	0.00E+00	0.00E+00	5.71E-10	8.80E-11	0.00E+00	0.00E+00	0.00E+00	8.80E-11	5.85E-11	0.00E+00	0.00E+00	0.00E+00	5.85E-11
955	381267.58	3735490.07	5.81E-10	0.00E+00	0.00E+00	0.00E+00	5.81E-10	8.95E-11	0.00E+00	0.00E+00	0.00E+00	8.95E-11	5.95E-11	0.00E+00	0.00E+00	0.00E+00	5.95E-11
956	381297.58	3735490.07	5.91E-10	0.00E+00	0.00E+00	0.00E+00	5.91E-10	9.10E-11	0.00E+00	0.00E+00	0.00E+00	9.10E-11	6.05E-11	0.00E+00	0.00E+00	0.00E+00	6.05E-11
957	381327.58	3735490.07	6.01E-10	0.00E+00	0.00E+00	0.00E+00	6.01E-10	9.26E-11	0.00E+00	0.00E+00	0.00E+00	9.26E-11	6.15E-11	0.00E+00	0.00E+00	0.00E+00	6.15E-11
958	381357.58	3735490.07	6.00E-10	0.00E+00	0.00E+00	0.00E+00	6.00E-10	9.25E-11	0.00E+00	0.00E+00	0.00E+00	9.25E-11	6.15E-11	0.00E+00	0.00E+00	0.00E+00	6.15E-11
959	381387.58	3735490.07	6.12E-10	0.00E+00	0.00E+00	0.00E+00	6.12E-10	9.44E-11	0.00E+00	0.00E+00	0.00E+00	9.44E-11	6.27E-11	0.00E+00	0.00E+00	0.00E+00	6.27E-11

960	381417.58	3735490.07	6.31E-10	0.00E+00	0.00E+00	0.00E+00	6.31E-10	9.72E-11	0.00E+00	0.00E+00	0.00E+00	9.72E-11	6.46E-11	0.00E+00	0.00E+00	0.00E+00	6.46E-11
961	381447.58	3735490.07	6.41E-10	0.00E+00	0.00E+00	0.00E+00	6.41E-10	9.88E-11	0.00E+00	0.00E+00	0.00E+00	9.88E-11	6.57E-11	0.00E+00	0.00E+00	0.00E+00	6.57E-11
962	381477.58	3735490.07	6.51E-10	0.00E+00	0.00E+00	0.00E+00	6.51E-10	1.00E-10	0.00E+00	0.00E+00	0.00E+00	1.00E-10	6.67E-11	0.00E+00	0.00E+00	0.00E+00	6.67E-11
963	381507.58	3735490.07	6.62E-10	0.00E+00	0.00E+00	0.00E+00	6.62E-10	1.02E-10	0.00E+00	0.00E+00	0.00E+00	1.02E-10	6.78E-11	0.00E+00	0.00E+00	0.00E+00	6.78E-11
964	381537.58	3735490.07	6.73E-10	0.00E+00	0.00E+00	0.00E+00	6.73E-10	1.04E-10	0.00E+00	0.00E+00	0.00E+00	1.04E-10	6.89E-11	0.00E+00	0.00E+00	0.00E+00	6.89E-11
965	381567.58	3735490.07	6.83E-10	0.00E+00	0.00E+00	0.00E+00	6.83E-10	1.05E-10	0.00E+00	0.00E+00	0.00E+00	1.05E-10	7.00E-11	0.00E+00	0.00E+00	0.00E+00	7.00E-11
966	381597.58	3735490.07	6.94E-10	0.00E+00	0.00E+00	0.00E+00	6.94E-10	1.07E-10	0.00E+00	0.00E+00	0.00E+00	1.07E-10	7.11E-11	0.00E+00	0.00E+00	0.00E+00	7.11E-11
967	381627.58	3735490.07	7.05E-10	0.00E+00	0.00E+00	0.00E+00	7.05E-10	1.09E-10	0.00E+00	0.00E+00	0.00E+00	1.09E-10	7.22E-11	0.00E+00	0.00E+00	0.00E+00	7.22E-11
968	381657.58	3735490.07	7.16E-10	0.00E+00	0.00E+00	0.00E+00	7.16E-10	1.10E-10	0.00E+00	0.00E+00	0.00E+00	1.10E-10	7.33E-11	0.00E+00	0.00E+00	0.00E+00	7.33E-11
969	381687.58	3735490.07	7.27E-10	0.00E+00	0.00E+00	0.00E+00	7.27E-10	1.12E-10	0.00E+00	0.00E+00	0.00E+00	1.12E-10	7.44E-11	0.00E+00	0.00E+00	0.00E+00	7.44E-11
970	381717.58	3735490.07	7.37E-10	0.00E+00	0.00E+00	0.00E+00	7.37E-10	1.14E-10	0.00E+00	0.00E+00	0.00E+00	1.14E-10	7.55E-11	0.00E+00	0.00E+00	0.00E+00	7.55E-11
971	381747.58	3735490.07	7.47E-10	0.00E+00	0.00E+00	0.00E+00	7.47E-10	1.15E-10	0.00E+00	0.00E+00	0.00E+00	1.15E-10	7.65E-11	0.00E+00	0.00E+00	0.00E+00	7.65E-11
972	381777.58	3735490.07	7.56E-10	0.00E+00	0.00E+00	0.00E+00	7.56E-10	1.17E-10	0.00E+00	0.00E+00	0.00E+00	1.17E-10	7.74E-11	0.00E+00	0.00E+00	0.00E+00	7.74E-11
973	380937.58	3735520.07	4.86E-10	0.00E+00	0.00E+00	0.00E+00	4.86E-10	7.49E-11	0.00E+00	0.00E+00	0.00E+00	7.49E-11	4.98E-11	0.00E+00	0.00E+00	0.00E+00	4.98E-11
974	380967.58	3735520.07	5.00E-10	0.00E+00	0.00E+00	0.00E+00	5.00E-10	7.71E-11	0.00E+00	0.00E+00	0.00E+00	7.71E-11	5.12E-11	0.00E+00	0.00E+00	0.00E+00	5.12E-11
975	380997.58	3735520.07	5.14E-10	0.00E+00	0.00E+00	0.00E+00	5.14E-10	7.92E-11	0.00E+00	0.00E+00	0.00E+00	7.92E-11	5.27E-11	0.00E+00	0.00E+00	0.00E+00	5.27E-11
976	381027.58	3735520.07	5.28E-10	0.00E+00	0.00E+00	0.00E+00	5.28E-10	8.13E-11	0.00E+00	0.00E+00	0.00E+00	8.13E-11	5.40E-11	0.00E+00	0.00E+00	0.00E+00	5.40E-11
977	381057.58	3735520.07	5.41E-10	0.00E+00	0.00E+00	0.00E+00	5.41E-10	8.33E-11	0.00E+00	0.00E+00	0.00E+00	8.33E-11	5.54E-11	0.00E+00	0.00E+00	0.00E+00	5.54E-11
978	381087.58	3735520.07	5.53E-10	0.00E+00	0.00E+00	0.00E+00	5.53E-10	8.52E-11	0.00E+00	0.00E+00	0.00E+00	8.52E-11	5.66E-11	0.00E+00	0.00E+00	0.00E+00	5.66E-11
979	381117.58	3735520.07	5.65E-10	0.00E+00	0.00E+00	0.00E+00	5.65E-10	8.71E-11	0.00E+00	0.00E+00	0.00E+00	8.71E-11	5.79E-11	0.00E+00	0.00E+00	0.00E+00	5.79E-11
980	381147.58	3735520.07	5.77E-10	0.00E+00	0.00E+00	0.00E+00	5.77E-10	8.89E-11	0.00E+00	0.00E+00	0.00E+00	8.89E-11	5.91E-11	0.00E+00	0.00E+00	0.00E+00	5.91E-11
981	381177.58	3735520.07	5.88E-10	0.00E+00	0.00E+00	0.00E+00	5.88E-10	9.07E-11	0.00E+00	0.00E+00	0.00E+00	9.07E-11	6.03E-11	0.00E+00	0.00E+00	0.00E+00	6.03E-11
982	381207.58	3735520.07	6.00E-10	0.00E+00	0.00E+00	0.00E+00	6.00E-10	9.24E-11	0.00E+00	0.00E+00	0.00E+00	9.24E-11	6.14E-11	0.00E+00	0.00E+00	0.00E+00	6.14E-11
983	381237.58	3735520.07	6.11E-10	0.00E+00	0.00E+00	0.00E+00	6.11E-10	9.41E-11	0.00E+00	0.00E+00	0.00E+00	9.41E-11	6.25E-11	0.00E+00	0.00E+00	0.00E+00	6.25E-11
984	381267.58	3735520.07	6.21E-10	0.00E+00	0.00E+00	0.00E+00	6.21E-10	9.58E-11	0.00E+00	0.00E+00	0.00E+00	9.58E-11	6.37E-11	0.00E+00	0.00E+00	0.00E+00	6.37E-11
985	381297.58	3735520.07	6.33E-10	0.00E+00	0.00E+00	0.00E+00	6.33E-10	9.75E-11	0.00E+00	0.00E+00	0.00E+00	9.75E-11	6.48E-11	0.00E+00	0.00E+00	0.00E+00	6.48E-11
986	381327.58	3735520.07	6.43E-10	0.00E+00	0.00E+00	0.00E+00	6.43E-10	9.92E-11	0.00E+00	0.00E+00	0.00E+00	9.92E-11	6.59E-11	0.00E+00	0.00E+00	0.00E+00	6.59E-11
987	381357.58	3735520.07	6.46E-10	0.00E+00	0.00E+00	0.00E+00	6.46E-10	9.96E-11	0.00E+00	0.00E+00	0.00E+00	9.96E-11	6.62E-11	0.00E+00	0.00E+00	0.00E+00	6.62E-11
988	381387.58	3735520.07	6.59E-10	0.00E+00	0.00E+00	0.00E+00	6.59E-10	1.02E-10	0.00E+00	0.00E+00	0.00E+00	1.02E-10	6.75E-11	0.00E+00	0.00E+00	0.00E+00	6.75E-11
989	381417.58	3735520.07	6.77E-10	0.00E+00	0.00E+00	0.00E+00	6.77E-10	1.04E-10	0.00E+00	0.00E+00	0.00E+00	1.04E-10	6.94E-11	0.00E+00	0.00E+00	0.00E+00	6.94E-11
990	381447.58	3735520.07	6.89E-10	0.00E+00	0.00E+00	0.00E+00	6.89E-10	1.06E-10	0.00E+00	0.00E+00	0.00E+00	1.06E-10	7.06E-11	0.00E+00	0.00E+00	0.00E+00	7.06E-11
991	381477.58	3735520.07	7.00E-10	0.00E+00	0.00E+00	0.00E+00	7.00E-10	1.08E-10	0.00E+00	0.00E+00	0.00E+00	1.08E-10	7.17E-11	0.00E+00	0.00E+00	0.00E+00	7.17E-11
992	381507.58	3735520.07	7.11E-10	0.00E+00	0.00E+00	0.00E+00	7.11E-10	1.10E-10	0.00E+00	0.00E+00	0.00E+00	1.10E-10	7.28E-11	0.00E+00	0.00E+00	0.00E+00	7.28E-11
993	381537.58	3735520.07	7.24E-10	0.00E+00	0.00E+00	0.00E+00	7.24E-10	1.12E-10	0.00E+00	0.00E+00	0.00E+00	1.12E-10	7.41E-11	0.00E+00	0.00E+00	0.00E+00	7.41E-11
994	381567.58	3735520.07	7.36E-10	0.00E+00	0.00E+00	0.00E+00	7.36E-10	1.13E-10	0.00E+00	0.00E+00	0.00E+00	1.13E-10	7.54E-11	0.00E+00	0.00E+00	0.00E+00	7.54E-11
995	381597.58	3735520.07	7.47E-10	0.00E+00	0.00E+00	0.00E+00	7.47E-10	1.15E-10	0.00E+00	0.00E+00	0.00E+00	1.15E-10	7.65E-11	0.00E+00	0.00E+00	0.00E+00	7.65E-11
996	381627.58	3735520.07	7.58E-10	0.00E+00	0.00E+00	0.00E+00	7.58E-10	1.17E-10	0.00E+00	0.00E+00	0.00E+00	1.17E-10	7.77E-11	0.00E+00	0.00E+00	0.00E+00	7.77E-11
997	381657.58	3735520.07	7.70E-10	0.00E+00	0.00E+00	0.00E+00	7.70E-10	1.19E-10	0.00E+00	0.00E+00	0.00E+00	1.19E-10	7.89E-11	0.00E+00	0.00E+00	0.00E+00	7.89E-11
998	381687.58	3735520.07	7.82E-10	0.00E+00	0.00E+00	0.00E+00	7.82E-10	1.20E-10	0.00E+00	0.00E+00	0.00E+00	1.20E-10	8.01E-11	0.00E+00	0.00E+00	0.00E+00	8.01E-11
999	380937.58	3735550.07	5.19E-10	0.00E+00	0.00E+00	0.00E+00	5.19E-10	8.00E-11	0.00E+00	0.00E+00	0.00E+00	8.00E-11	5.32E-11	0.00E+00	0.00E+00	0.00E+00	5.32E-11
1000	380967.58	3735550.07	5.35E-10	0.00E+00	0.00E+00	0.00E+00	5.35E-10	8.25E-11	0.00E+00	0.00E+00	0.00E+00	8.25E-11	5.48E-11	0.00E+00	0.00E+00	0.00E+00	5.48E-11
1001	380997.58	3735550.07	5.50E-10	0.00E+00	0.00E+00	0.00E+00	5.50E-10	8.48E-11	0.00E+00	0.00E+00	0.00E+00	8.48E-11	5.63E-11	0.00E+00	0.00E+00	0.00E+00	5.63E-11
1002	381027.58	3735550.07	5.65E-10	0.00E+00	0.00E+00	0.00E+00	5.65E-10	8.71E-11	0.00E+00	0.00E+00	0.00E+00	8.71E-11	5.79E-11	0.00E+00	0.00E+00	0.00E+00	5.79E-11
1003	381057.58	3735550.07	5.79E-10	0.00E+00	0.00E+00	0.00E+00	5.79E-10	8.93E-11	0.00E+00	0.00E+00	0.00E+00	8.93E-11	5.93E-11	0.00E+00	0.00E+00	0.00E+00	5.93E-11
1004	381087.58	3735550.07	5.93E-10	0.00E+00	0.00E+00	0.00E+00	5.93E-10	9.13E-11	0.00E+00	0.00E+00	0.00E+00	9.13E-11	6.07E-11	0.00E+00	0.00E+00	0.00E+00	6.07E-11
1005	381117.58	3735550.07	6.06E-10	0.00E+00	0.00E+00	0.00E+00	6.06E-10	9.34E-11	0.00E+00	0.00E+00	0.00E+00	9.34E-11	6.21E-11	0.00E+00	0.00E+00	0.00E+00	6.21E-11
1006	381147.58	3735550.07	6.19E-10	0.00E+00	0.00E+00	0.00E+00	6.19E-10	9.54E-11	0.00E+00	0.00E+00	0.00E+00	9.54E-11	6.34E-11	0.00E+00	0.00E+00	0.00E+00	6.34E-11
1007	381177.58	3735550.07	6.31E-10	0.00E+00	0.00E+00	0.00E+00	6.31E-10	9.73E-11	0.00E+00	0.00E+00	0.00E+00	9.73E-11	6.47E-11	0.00E+00	0.00E+00	0.00E+00	6.47E-11
1008	381207.58	3735550.07	6.44E-10	0.00E+00	0.00E+00	0.00E+00	6.44E-10	9.92E-11	0.00E+00	0.00E+00	0.00E+00	9.92E-11	6.59E-11	0.00E+00	0.00E+00	0.00E+00	6.59E-11
1009	381237.58	3735550.07	6.56E-10	0.00E+00	0.00E+00	0.00E+00	6.56E-10	1.01E-10	0.00E+00	0.00E+00	0.00E+00	1.01E-10	6.72E-11	0.00E+00	0.00E+00	0.00E+00	6.72E-11
1010	381267.58	3735550.07	6.68E-10	0.00E+00	0.00E+00	0.00E+00	6.68E-10	1.03E-10	0.00E+00	0.00E+00	0.00E+00	1.03E-10	6.84E-11	0.00E+00	0.00E+00	0.00E+00	6.84E-11
1011	381297.58	3735550.07	6.80E-10	0.00E+00	0.00E+00	0.00E+00	6.80E-10	1.05E-10	0.00E+00	0.00E+00	0.00E+00	1.05E-10	6.97E-11	0.00E+00	0.00E+00	0.00E+00	6.97E-11
1012	381327.58	3735550.07	6.92E-10	0.00E+00	0.00E+00	0.00E+00	6.92E-10	1.07E-10	0.00E+00	0.00E+00	0.00E+00	1.07E-10	7.09E-11	0.00E+00	0.00E+00	0.00E+00	7.09E-11
1013	381357.58	3735550.07	7.05E-10	0.00E+00	0.00E+00	0.00E+00	7.05E-10	1.09E-10	0.00E+00	0.00E+00	0.00E+00	1.09E-10	7.22E-11	0.00E+00	0.00E+00	0.00E+00	7.22E-11
1014	381387.58	3735550.07	7.17E-10	0.00E+00	0.00E+00	0.00E+00	7.17E-10	1.11E-10	0.00E+00	0.00E+00	0.00E+00	1.11E-10	7.35E-11	0.00E+00	0.00E+00	0.00E+00	7.35E-11
1015	381417.58	3735550.07	7.30E-10	0.00E+00	0.00E+00	0.00E+00	7.30E-10	1.13E-10	0.00E+00	0.00E+00	0.00E+00	1.13E-10	7.48E-11	0.00E+00	0.00E+00	0.00E+00	7.48E-11
1016	381447.58	3735550.07	7.43E-10	0.00E+00	0.00E+00	0.00E+00	7.43E-10	1.15E-10	0.00E+00	0.00E+00	0.00E+00	1.15E-10	7.61E-11	0.00E+00	0.00E+00	0.00E+00	7.61E-11
1017	381477.58	3735550.07	7.55E-10	0.00E+00	0.00E+00	0.00E+00	7.55E-10	1.16E-10	0.00E+00	0.00E+00	0.00E+00	1.16E-10	7.74E-11	0.00E+00	0.00E+00	0.00E+00	7.74E-11
1018	381507.58	3735550.07	7.68E-10	0.00E+00	0.00E+00	0.00E+00	7.68E-10	1.18E-10	0.00E+00	0.00E+00	0.00E+00	1.18E-10	7.86E-11	0.00E+00	0.00E+00	0.00E+00	7.86E-11
1019	381537.58	3735550.07	7.82E-10	0.00E+00	0.00E+00	0.00E+00	7.82E-10	1.20E-10	0.00E+00	0.00E+00	0.00E+00	1.20E-10	8.01E-11	0.00E+00	0.00E+00	0.00E+00	8.01E-11
1020	381567.58	3735550.07	7.94E-10	0.00E+00	0.00E+00	0.00E+00	7.94E-10	1.22E-10	0.00E+00	0.00E+00	0.00E+00	1.22E-10	8.14E-11	0.00E+00	0.00E+00	0.00E+00	8.14E-11
1021	381597.58	3735550.07	8.07E-10	0.00E+00	0.00E+00	0.00E+00	8.07E-10	1.24E-10	0.00E+00	0.00E+00	0.00E+00	1.24E-10	8.26E-11	0.00E+00	0.00E+00	0.00E+00	8.26E-11
1022	381627.58	3735550.07	8.19E-10	0.00E+00	0.00E+00	0.00E+00	8.19E-10	1.26E-10	0.00E+00	0.00E+00	0.00E+00	1.26E-10	8.39E-11	0.00E+00	0.00E+00	0.00E+00	8.39E-11
1023	380937.58	3735580.07	5.57E-10	0.00E+00	0.00E+00	0.00E+00	5.57E-10	8.59E-11	0.00E+00	0.00E+00	0.00E+00	8.59E-11	5.71E-11	0.00E+00	0.00E+00	0.00E+00	5.71E-11
1024	380967.58	3735580.07	5.74E-10	0.00E+00	0.00E+00	0.00E+00	5.74E-10	8.85E-11	0.00E+00	0.00E+00	0.00E+00	8.85E-11	5.88E-11	0.00E+00	0.00E+00	0.00E+00	5.88E-11
1025	380997.58	3735580.07	5.91E-10	0.00E+00	0.00E+00	0.00E+00	5.91E-10	9.11E-11	0.00E+00	0.00E+00	0.00E+00	9.11E-11	6.05E-11	0.00E+00	0.00E+00	0.00E+00	6.05E-11
1026	381027.58	3735580.07	6.07E-10	0.00E+00	0.00E+00	0.00E+00	6.07E-10	9.36E-11	0.00E+00	0.00E+00	0.00E+00	9.36E-11	6.22E-11	0.00E+00	0.00E+00	0.00E+00	6.22E-11
1027	381057.58	3735580.07	6.23E-10	0.00E+00	0.00E+00	0.00E+00	6.23E-10	9.60E-11	0.00E+00	0.00E+00	0.00E+00	9.60E-11	6.38E-11	0.00E+00	0.00E+00	0.00E+00	6.38E-11
1028	381087.58	3735580.07	6.38E-10	0.00E+00	0.00E+00	0.00E+00	6.38E-10	9.83E-11	0.00E+00	0.00E+00	0.00E+00	9.83E-11	6.53E-11	0.00E+00	0.00E+00	0.00E+00	6.53E-11
1029	381117.58	3735580.07	6.52E-10	0.00E+00	0.00E+00	0.00E+00	6.52E-10	1.01E-10	0.00E+00	0.00E+00	0.00E+00	1.01E-10	6.68E-11	0.00E+00	0.00E+00	0.00E+00	6.68E-11
1030	381147.58	3735580.07	6.66E-10	0.00E+00	0.00E+00	0.00E+00	6.66E-10	1.03E-10	0.00E+00	0.00E+00	0.00E+00	1.03E-10	6.82E-11	0.00E+00	0.00E+00	0.00E+00	6.82E-11
1031	381177.58	3735580.07	6.80E-10	0.00E+00	0.00E+00	0.00E+00	6.80E-10	1.05E-10	0.00E+00	0.00E+00	0.00E+00	1.05E-10	6.97E-11	0.00E+00	0.00E+00	0.00E+00	6.97E-11
1032	381207.58	3735580.07	6.94E-10	0.00E+00	0.00E+00	0.00E+00	6.94E-10	1.07E-10	0.00E+00	0.00E+00	0.00E+00	1.07E-10	7.11E-11	0.00E+00	0.00E+00	0.00E+00	7.11E-11
1033	381237.58	3735580.07	7.08E-10	0.00E+00	0.00E+00	0.00E+00	7.08E-10	1.09E-10	0.00E+00	0.00E+00	0.00E+00	1.09E-10	7.25E-11	0.00E+00	0.00E+00	0.00E+00	7.25E-11
1034	381267.58	3735580.07	7.21E-10	0.00E+00	0.00E+00	0.00E+00	7.21E-10	1.11E-10	0.00E+00	0.00E+00	0.00E+00	1.11E-10	7.39E-11	0.00E+00	0.00E+00	0.00E+00	7.39E-11
1035	381297.58	3735580.07	7.35E-10	0.00E+00	0.00E+00	0.00E+00	7.35E-10	1.13E-10	0.00E+00	0.00E+00	0.00E+00	1.13E-10	7.53E-11	0.00E+00	0.00E+00	0.00E+00	7.53E-11
1036	381327.58	3735580.07	7.48E-10	0.00E+00	0.00E+00	0.00E+00	7.48E-10	1.15E-10	0.00E+00	0.00E+00	0.00E+00	1.15E-10	7.67E-11	0.00E+00	0.00E+00	0.00E+00	7.67E-11
1037	381357.58	3735580.07	7.62E-10	0.00E+00	0.00E+00	0.00E+00	7.62E-10	1.18E-10	0.00E+00	0.00E+00	0.00E+00	1.18E-10	7.81E-11	0.00E+00	0.00E+00	0.00E+00	7.81E-11
1038	381387.58	3735580.07	7.76E-10	0.00E+00	0.00E+00	0.00E+00	7.76E-10	1.20E-10	0.00E+00	0.00E+00	0.00E+00	1.20E-10	7.95E-11	0.00E+00	0.00E+00	0.00E+00	7.95E-11
1039	381417.58	3735580.07	7.90E-10	0.00E+00	0.00E+00	0.00E+00	7.90E-10	1.22E-10	0.00E+00	0.00E+00	0.00E+00	1.22E-10	8.10E-11	0.00E+00	0.00E+00	0.00E+00	8.10E-11
1040	381447.58	3735580.07	8.05E-10	0.00E+00	0.00E+00	0.00E+00	8.05E-10	1.24E-10	0.00E+00	0.00E+00	0.00E+00	1.24E-10	8.24E-11	0.00E+00	0.00E+00	0.00E+00	8.24E-11
1041	381477.58	3735580.07	8.19E-10	0.00E+00	0.00E+00	0.00E+00	8.19E-10	1.26E-10	0.00E+00	0.00E+00	0.00E+00	1.26E-10	8.39E-11	0.00E+00	0.00E+00	0.00E+00	8.39E-11
1042	381507.58	3735580.07	8.33E-10	0.00E+00	0.00E+00	0.00E+00	8.33E-10	1.28E-10	0.00E+00	0.00E+00	0.00E+00	1.28E-10	8.53E-11	0.00E+00	0.00E+00	0.00E+00	8.53E-11
1043	381537.58	3735580.07	8.47E-10	0.00E+00	0.00E+00	0.00E+00	8.47E-10	1.31E-10	0.00E+00	0.00E+00	0.00E+00	1.31E-10	8.68E-11	0.00E+00	0.00E+00	0.00E+00	8.68E-11
1044	380937.58	3735610.07	6.00E-10	0.00E+00	0.00E+00	0.00E+00	6.00E-10	9.25E-11	0.00E+00	0.00E+00	0.00E+00	9.25E-11	6.14E-11	0.00E+00	0.00E+00	0.00E+00	6.14E-11
1045	380967.58	3735610.07	6.19E-10	0.00E+00	0.00E+00	0.00E+00	6.19E-10	9.54E-11	0.00E+00	0.00E+00	0.00E+00	9.54E-11	6.34E-11	0.00E+00	0.00E+00	0.00E+00	6.34E-11
1046	380997.58	3735610.07	6.38E-10	0.00E+00	0.00E+00	0.00E+00	6.38E-10	9.83E-11	0.00E+00	0.00E+00	0.00E+00	9.83E-11	6.53E-11	0.00E+00	0.00E+00	0.00E+00	6.53E-11
1047	381027.58	3735610.07	6.55E-10	0.00E+00	0.00E+00	0.00E+00	6.55E-10	1.01E-10	0.00E+00	0.00E+00	0.00E+00	1.01E-10	6.71E-11	0.00E+00	0.00E+00	0.00E+00	6.71E-11
1048	381057.58	3735610.07	6.73E-10	0.00E+00	0.00E+00	0.00E+00	6.73E-10	1.04E-10	0.00E+00	0.00E+00	0.00E+00	1.04E-10	6.89E-11	0.00E+00	0.00E+00	0.00E+00	6.89E-11
1049	381087.58	3735610.07	6.89E-10	0.00E+00	0.00E+00	0.00E+00	6.89E-10	1.06E-10	0.00E+00	0.00E+00	0.00E+00	1.06E-10	7.06E-11	0.00E+00	0.00E+00	0.00E+00	7.06E-11
1050	381117.58	3735610.07	7.05E-10	0.00E+00	0.00E+00	0.00E+00	7.05E-10	1.09E-10	0.00E+00	0.00E+00	0.00E+00	1.09E-10	7.22E-11	0.00E+00	0.00E+00	0.00E+00	7.22E-11
1051	381147.58	3735610.07	7.21E-10	0.00E+00	0.00E+00	0.00E+00	7.21E-10	1.11E-10	0.00E+00	0.00E+00	0.00E+00	1.11E-10	7.38E-11	0.00E+00	0.00E+00	0.00E+00	7.38E-11
1052	381177.58	3735610.07	7.36E-10	0.00E+00	0.00E+00	0.00E+00	7.36E-10	1.13E-10	0.00E+00	0.00E+00	0.00E+00	1.13E-10	7.54E-11	0.00E+00	0.00E+00	0.00E+00	7.54E-11
1053	381207.58	3735610.07	7.52E-10	0.00E+00	0.00E+00	0.00E+00	7.52E-10	1.16E-10	0.00E+00	0.00E+00	0.00E+00	1.16E-10	7.70E-11	0.00E+00	0.00E+00	0.00E+00	7.70E-11
1054	381237.58	3735610.07	7.67E-10	0.00E+00	0.00E+00	0.00E+00	7.67E-10	1.18E-10	0.00E+00	0.00E+00	0.00E+00	1.18E-10	7.85E-11	0.00E+00	0.00E+00	0.00E+00	7.85E-11
1055	381267.58	3735610.07	7.82E-10	0.00E+00	0.00E+00	0.00E+00	7.82E-10	1.21E-10	0.00E+00	0.00E+00	0.00E+00	1.21E-10	8.01E-11	0.00E+00	0.00E+00	0.00E+00	8.01E-11
1056	381297.58	3735610.07	7.97E-10	0.00E+00	0.00E+00	0.00E+00	7.97E-10	1.23E-10	0.00E+00	0.00E+00	0.00E+00	1.23E-10	8.17E-11	0.00E+00	0.00E+00	0.00E+00	8.17E-11
1057	381327.58	3735610.07	8.13E-10	0.00E+00	0.00E+00	0.00E+00	8.13E-10	1.25E-10	0.00E+00	0.00E+00	0.00E+00	1.25E-10	8.32E-11	0.00E+00	0.00E+00	0.00E+00	8.32E-11
1058	381357.58	3735610.07	8.28E-10	0.00E+00	0.00E+00	0.00E+00	8.28E-10	1.28E-10	0.00E+00	0.00E+00	0.00E+00	1.28E-10	8.48E-11	0.00E+00	0.00E+00	0.00E+00	8.48E-11
1059	381387.58	3735610.07	8.44E-10	0.00E+00	0.00E+00	0.00E+00	8.44E-10	1.30E-10	0.00E+00	0.00E+00	0.00E+00	1.30E-10	8.64E-11	0.00E+00	0.00E+00	0.00E+00	8.64E-11
1060	381417.58	3735610.07	8.59E-10	0.00E+00	0.00E+00	0.00E+00	8.59E-10	1.32E-10	0.00E+00	0.00E+00	0.00E+00	1.32E-10	8.80E-11	0.00E+00	0.00E+00	0.00E+00	8.80E-11
1061	381447.58	3735610.07	8.75E-10	0.00E+00	0.00E+00	0.00E+00	8.75E-10	1.35E-10	0.00E+00	0.00E+00	0.00E+00	1.35E-10	8.96E-11	0.00E+00	0.00E+00	0.00E+00	8.96E-11
1062	381477.58	3735610.07	8.91E-10	0.00E+00	0.00E+00	0.00E+00	8.91E-10	1.37E-10	0.00E+00	0.00E+00	0.00E+00	1.37E-10	9.12E-11	0.00E+00	0.00E+00	0.00E+00	9.12E-11
1063	380937.58	3735640.07	6.49E-10	0.00E+00	0.00E+00	0.00E+00	6.49E-10	1.00E-10	0.00E+00	0.00E+00	0.00E+00	1.00E-10	6.65E-11	0.00E+00	0.00E+00	0.00E+00	6.65E-11
1064	380967.58	3735640.07	6.71E-10	0.00E+00	0.00E+00	0.00E+00	6.71E-10	1.03E-10	0.00E+00	0.00E+00	0.00E+00	1.03E-10	6.87E-11	0.00E+00	0.00E+00	0.00E+00	6.87E-11
1065	380997.58	3735640.07	6.91E-10	0.00E+00	0.00E+00	0.00E+00	6.91E-10	1.07E-10	0.00E+00	0.00E+00	0.00E+00	1.07E-10	7.08E-11	0.00E+00	0.00E+00	0.00E+00	7.08E-11
1066	381027.58	3735640.07	7.11E-10	0.00E+00	0.00E+00	0.00E+00	7.11E-10	1.10E-10	0.00E+00	0.00E+00	0.00E+00	1.10E-10	7.28E-11	0.00E+00	0.00E+00	0.00E+00	7.28E-11

1067	381057.58	3735640.07	7.30E-10	0.00E+00	0.00E+00	0.00E+00	7.30E-10	1.13E-10	0.00E+00	0.00E+00	0.00E+00	1.13E-10	7.48E-11	0.00E+00	0.00E+00	0.00E+00	7.48E-11
1068	381087.58	3735640.07	7.48E-10	0.00E+00	0.00E+00	0.00E+00	7.48E-10	1.15E-10	0.00E+00	0.00E+00	0.00E+00	1.15E-10	7.66E-11	0.00E+00	0.00E+00	0.00E+00	7.66E-11
1069	381117.58	3735640.07	7.66E-10	0.00E+00	0.00E+00	0.00E+00	7.66E-10	1.18E-10	0.00E+00	0.00E+00	0.00E+00	1.18E-10	7.85E-11	0.00E+00	0.00E+00	0.00E+00	7.85E-11
1070	381147.58	3735640.07	7.84E-10	0.00E+00	0.00E+00	0.00E+00	7.84E-10	1.21E-10	0.00E+00	0.00E+00	0.00E+00	1.21E-10	8.03E-11	0.00E+00	0.00E+00	0.00E+00	8.03E-11
1071	381177.58	3735640.07	8.01E-10	0.00E+00	0.00E+00	0.00E+00	8.01E-10	1.23E-10	0.00E+00	0.00E+00	0.00E+00	1.23E-10	8.20E-11	0.00E+00	0.00E+00	0.00E+00	8.20E-11
1072	381207.58	3735640.07	8.18E-10	0.00E+00	0.00E+00	0.00E+00	8.18E-10	1.26E-10	0.00E+00	0.00E+00	0.00E+00	1.26E-10	8.38E-11	0.00E+00	0.00E+00	0.00E+00	8.38E-11
1073	381237.58	3735640.07	8.35E-10	0.00E+00	0.00E+00	0.00E+00	8.35E-10	1.29E-10	0.00E+00	0.00E+00	0.00E+00	1.29E-10	8.55E-11	0.00E+00	0.00E+00	0.00E+00	8.55E-11
1074	381267.58	3735640.07	8.52E-10	0.00E+00	0.00E+00	0.00E+00	8.52E-10	1.31E-10	0.00E+00	0.00E+00	0.00E+00	1.31E-10	8.73E-11	0.00E+00	0.00E+00	0.00E+00	8.73E-11
1075	381297.58	3735640.07	8.69E-10	0.00E+00	0.00E+00	0.00E+00	8.69E-10	1.34E-10	0.00E+00	0.00E+00	0.00E+00	1.34E-10	8.90E-11	0.00E+00	0.00E+00	0.00E+00	8.90E-11
1076	381327.58	3735640.07	8.87E-10	0.00E+00	0.00E+00	0.00E+00	8.87E-10	1.37E-10	0.00E+00	0.00E+00	0.00E+00	1.37E-10	9.08E-11	0.00E+00	0.00E+00	0.00E+00	9.08E-11
1077	381357.58	3735640.07	9.04E-10	0.00E+00	0.00E+00	0.00E+00	9.04E-10	1.39E-10	0.00E+00	0.00E+00	0.00E+00	1.39E-10	9.26E-11	0.00E+00	0.00E+00	0.00E+00	9.26E-11
1078	381387.58	3735640.07	9.21E-10	0.00E+00	0.00E+00	0.00E+00	9.21E-10	1.42E-10	0.00E+00	0.00E+00	0.00E+00	1.42E-10	9.44E-11	0.00E+00	0.00E+00	0.00E+00	9.44E-11
1079	380937.58	3735670.07	7.06E-10	0.00E+00	0.00E+00	0.00E+00	7.06E-10	1.09E-10	0.00E+00	0.00E+00	0.00E+00	1.09E-10	7.23E-11	0.00E+00	0.00E+00	0.00E+00	7.23E-11
1080	380967.58	3735670.07	7.30E-10	0.00E+00	0.00E+00	0.00E+00	7.30E-10	1.12E-10	0.00E+00	0.00E+00	0.00E+00	1.12E-10	7.48E-11	0.00E+00	0.00E+00	0.00E+00	7.48E-11
1081	380997.58	3735670.07	7.53E-10	0.00E+00	0.00E+00	0.00E+00	7.53E-10	1.16E-10	0.00E+00	0.00E+00	0.00E+00	1.16E-10	7.71E-11	0.00E+00	0.00E+00	0.00E+00	7.71E-11
1082	381027.58	3735670.07	7.75E-10	0.00E+00	0.00E+00	0.00E+00	7.75E-10	1.19E-10	0.00E+00	0.00E+00	0.00E+00	1.19E-10	7.94E-11	0.00E+00	0.00E+00	0.00E+00	7.94E-11
1083	381057.58	3735670.07	7.96E-10	0.00E+00	0.00E+00	0.00E+00	7.96E-10	1.23E-10	0.00E+00	0.00E+00	0.00E+00	1.23E-10	8.15E-11	0.00E+00	0.00E+00	0.00E+00	8.15E-11
1084	381087.58	3735670.07	8.17E-10	0.00E+00	0.00E+00	0.00E+00	8.17E-10	1.26E-10	0.00E+00	0.00E+00	0.00E+00	1.26E-10	8.37E-11	0.00E+00	0.00E+00	0.00E+00	8.37E-11
1085	381117.58	3735670.07	8.37E-10	0.00E+00	0.00E+00	0.00E+00	8.37E-10	1.29E-10	0.00E+00	0.00E+00	0.00E+00	1.29E-10	8.57E-11	0.00E+00	0.00E+00	0.00E+00	8.57E-11
1086	381147.58	3735670.07	8.57E-10	0.00E+00	0.00E+00	0.00E+00	8.57E-10	1.32E-10	0.00E+00	0.00E+00	0.00E+00	1.32E-10	8.77E-11	0.00E+00	0.00E+00	0.00E+00	8.77E-11
1087	381177.58	3735670.07	8.76E-10	0.00E+00	0.00E+00	0.00E+00	8.76E-10	1.35E-10	0.00E+00	0.00E+00	0.00E+00	1.35E-10	8.97E-11	0.00E+00	0.00E+00	0.00E+00	8.97E-11
1088	381207.58	3735670.07	8.95E-10	0.00E+00	0.00E+00	0.00E+00	8.95E-10	1.38E-10	0.00E+00	0.00E+00	0.00E+00	1.38E-10	9.17E-11	0.00E+00	0.00E+00	0.00E+00	9.17E-11
1089	381237.58	3735670.07	9.14E-10	0.00E+00	0.00E+00	0.00E+00	9.14E-10	1.41E-10	0.00E+00	0.00E+00	0.00E+00	1.41E-10	9.36E-11	0.00E+00	0.00E+00	0.00E+00	9.36E-11
1090	380937.58	3735700.07	7.72E-10	0.00E+00	0.00E+00	0.00E+00	7.72E-10	1.19E-10	0.00E+00	0.00E+00	0.00E+00	1.19E-10	7.90E-11	0.00E+00	0.00E+00	0.00E+00	7.90E-11
1091	380967.58	3735700.07	7.98E-10	0.00E+00	0.00E+00	0.00E+00	7.98E-10	1.23E-10	0.00E+00	0.00E+00	0.00E+00	1.23E-10	8.18E-11	0.00E+00	0.00E+00	0.00E+00	8.18E-11
1092	380997.58	3735700.07	8.24E-10	0.00E+00	0.00E+00	0.00E+00	8.24E-10	1.27E-10	0.00E+00	0.00E+00	0.00E+00	1.27E-10	8.44E-11	0.00E+00	0.00E+00	0.00E+00	8.44E-11
1093	381027.58	3735700.07	8.49E-10	0.00E+00	0.00E+00	0.00E+00	8.49E-10	1.31E-10	0.00E+00	0.00E+00	0.00E+00	1.31E-10	8.70E-11	0.00E+00	0.00E+00	0.00E+00	8.70E-11
1094	381057.58	3735700.07	8.73E-10	0.00E+00	0.00E+00	0.00E+00	8.73E-10	1.35E-10	0.00E+00	0.00E+00	0.00E+00	1.35E-10	8.94E-11	0.00E+00	0.00E+00	0.00E+00	8.94E-11
1095	381087.58	3735700.07	8.97E-10	0.00E+00	0.00E+00	0.00E+00	8.97E-10	1.38E-10	0.00E+00	0.00E+00	0.00E+00	1.38E-10	9.18E-11	0.00E+00	0.00E+00	0.00E+00	9.18E-11
1096	381117.58	3735700.07	9.19E-10	0.00E+00	0.00E+00	0.00E+00	9.19E-10	1.42E-10	0.00E+00	0.00E+00	0.00E+00	1.42E-10	9.41E-11	0.00E+00	0.00E+00	0.00E+00	9.41E-11
1097	381147.58	3735700.07	9.41E-10	0.00E+00	0.00E+00	0.00E+00	9.41E-10	1.45E-10	0.00E+00	0.00E+00	0.00E+00	1.45E-10	9.64E-11	0.00E+00	0.00E+00	0.00E+00	9.64E-11
1098	381177.58	3735700.07	9.64E-10	0.00E+00	0.00E+00	0.00E+00	9.64E-10	1.49E-10	0.00E+00	0.00E+00	0.00E+00	1.49E-10	9.87E-11	0.00E+00	0.00E+00	0.00E+00	9.87E-11
1099	381207.58	3735700.07	9.85E-10	0.00E+00	0.00E+00	0.00E+00	9.85E-10	1.52E-10	0.00E+00	0.00E+00	0.00E+00	1.52E-10	1.01E-10	0.00E+00	0.00E+00	0.00E+00	1.01E-10
1100	380937.58	3735730.07	8.48E-10	0.00E+00	0.00E+00	0.00E+00	8.48E-10	1.31E-10	0.00E+00	0.00E+00	0.00E+00	1.31E-10	8.69E-11	0.00E+00	0.00E+00	0.00E+00	8.69E-11
1101	380967.58	3735730.07	8.79E-10	0.00E+00	0.00E+00	0.00E+00	8.79E-10	1.35E-10	0.00E+00	0.00E+00	0.00E+00	1.35E-10	9.00E-11	0.00E+00	0.00E+00	0.00E+00	9.00E-11
1102	380997.58	3735730.07	9.08E-10	0.00E+00	0.00E+00	0.00E+00	9.08E-10	1.40E-10	0.00E+00	0.00E+00	0.00E+00	1.40E-10	9.30E-11	0.00E+00	0.00E+00	0.00E+00	9.30E-11
1103	381027.58	3735730.07	9.37E-10	0.00E+00	0.00E+00	0.00E+00	9.37E-10	1.44E-10	0.00E+00	0.00E+00	0.00E+00	1.44E-10	9.59E-11	0.00E+00	0.00E+00	0.00E+00	9.59E-11
1104	381057.58	3735730.07	9.64E-10	0.00E+00	0.00E+00	0.00E+00	9.64E-10	1.49E-10	0.00E+00	0.00E+00	0.00E+00	1.49E-10	9.87E-11	0.00E+00	0.00E+00	0.00E+00	9.87E-11
1105	381087.58	3735730.07	9.91E-10	0.00E+00	0.00E+00	0.00E+00	9.91E-10	1.53E-10	0.00E+00	0.00E+00	0.00E+00	1.53E-10	1.01E-10	0.00E+00	0.00E+00	0.00E+00	1.01E-10
1106	381117.58	3735730.07	1.02E-09	0.00E+00	0.00E+00	0.00E+00	1.02E-09	1.57E-10	0.00E+00	0.00E+00	0.00E+00	1.57E-10	1.04E-10	0.00E+00	0.00E+00	0.00E+00	1.04E-10
1107	381147.58	3735730.07	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.61E-10	0.00E+00	0.00E+00	0.00E+00	1.61E-10	1.07E-10	0.00E+00	0.00E+00	0.00E+00	1.07E-10
1108	381177.58	3735730.07	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09	1.64E-10	0.00E+00	0.00E+00	0.00E+00	1.64E-10	1.09E-10	0.00E+00	0.00E+00	0.00E+00	1.09E-10
1109	380997.58	3735760.07	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09	1.55E-10	0.00E+00	0.00E+00	0.00E+00	1.55E-10	1.03E-10	0.00E+00	0.00E+00	0.00E+00	1.03E-10
1110	381027.58	3735760.07	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.60E-10	0.00E+00	0.00E+00	0.00E+00	1.60E-10	1.07E-10	0.00E+00	0.00E+00	0.00E+00	1.07E-10
1111	381057.58	3735760.07	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09	1.65E-10	0.00E+00	0.00E+00	0.00E+00	1.65E-10	1.10E-10	0.00E+00	0.00E+00	0.00E+00	1.10E-10
1112	381087.58	3735760.07	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09	1.70E-10	0.00E+00	0.00E+00	0.00E+00	1.70E-10	1.13E-10	0.00E+00	0.00E+00	0.00E+00	1.13E-10
1113	381117.58	3735760.07	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09	1.74E-10	0.00E+00	0.00E+00	0.00E+00	1.74E-10	1.16E-10	0.00E+00	0.00E+00	0.00E+00	1.16E-10
1114	381147.58	3735760.07	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09	1.79E-10	0.00E+00	0.00E+00	0.00E+00	1.79E-10	1.19E-10	0.00E+00	0.00E+00	0.00E+00	1.19E-10
1115	380937.58	3735790.07	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09	1.61E-10	0.00E+00	0.00E+00	0.00E+00	1.61E-10	1.07E-10	0.00E+00	0.00E+00	0.00E+00	1.07E-10
1116	380937.58	3735820.07	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09	1.81E-10	0.00E+00	0.00E+00	0.00E+00	1.81E-10	1.21E-10	0.00E+00	0.00E+00	0.00E+00	1.21E-10
1117	380967.58	3735820.07	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09	1.89E-10	0.00E+00	0.00E+00	0.00E+00	1.89E-10	1.25E-10	0.00E+00	0.00E+00	0.00E+00	1.25E-10
1118	380997.58	3735820.07	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09	1.96E-10	0.00E+00	0.00E+00	0.00E+00	1.96E-10	1.30E-10	0.00E+00	0.00E+00	0.00E+00	1.30E-10
1119	381027.58	3735820.07	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09	2.03E-10	0.00E+00	0.00E+00	0.00E+00	2.03E-10	1.35E-10	0.00E+00	0.00E+00	0.00E+00	1.35E-10
1120	381057.58	3735820.07	1.36E-09	0.00E+00	0.00E+00	0.00E+00	1.36E-09	2.09E-10	0.00E+00	0.00E+00	0.00E+00	2.09E-10	1.39E-10	0.00E+00	0.00E+00	0.00E+00	1.39E-10
1121	381087.58	3735820.07	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09	2.15E-10	0.00E+00	0.00E+00	0.00E+00	2.15E-10	1.43E-10	0.00E+00	0.00E+00	0.00E+00	1.43E-10
1122	380937.58	3735850.07	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09	2.06E-10	0.00E+00	0.00E+00	0.00E+00	2.06E-10	1.37E-10	0.00E+00	0.00E+00	0.00E+00	1.37E-10
1123	380967.58	3735850.07	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.39E-09	2.15E-10	0.00E+00	0.00E+00	0.00E+00	2.15E-10	1.43E-10	0.00E+00	0.00E+00	0.00E+00	1.43E-10
1124	380997.58	3735850.07	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09	2.23E-10	0.00E+00	0.00E+00	0.00E+00	2.23E-10	1.48E-10	0.00E+00	0.00E+00	0.00E+00	1.48E-10
1125	381027.58	3735850.07	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09	2.31E-10	0.00E+00	0.00E+00	0.00E+00	2.31E-10	1.54E-10	0.00E+00	0.00E+00	0.00E+00	1.54E-10
1126	381057.58	3735850.07	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09	2.39E-10	0.00E+00	0.00E+00	0.00E+00	2.39E-10	1.59E-10	0.00E+00	0.00E+00	0.00E+00	1.59E-10
1127	381087.58	3735850.07	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	2.46E-10	0.00E+00	0.00E+00	0.00E+00	2.46E-10	1.63E-10	0.00E+00	0.00E+00	0.00E+00	1.63E-10
1128	380937.58	3735880.07	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09	2.37E-10	0.00E+00	0.00E+00	0.00E+00	2.37E-10	1.57E-10	0.00E+00	0.00E+00	0.00E+00	1.57E-10
1129	380967.58	3735880.07	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	2.47E-10	0.00E+00	0.00E+00	0.00E+00	2.47E-10	1.64E-10	0.00E+00	0.00E+00	0.00E+00	1.64E-10
1130	380997.58	3735880.07	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09	2.57E-10	0.00E+00	0.00E+00	0.00E+00	2.57E-10	1.71E-10	0.00E+00	0.00E+00	0.00E+00	1.71E-10
1131	381027.58	3735880.07	1.73E-09	0.00E+00	0.00E+00	0.00E+00	1.73E-09	2.66E-10	0.00E+00	0.00E+00	0.00E+00	2.66E-10	1.77E-10	0.00E+00	0.00E+00	0.00E+00	1.77E-10
1132	381057.58	3735880.07	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.78E-09	2.75E-10	0.00E+00	0.00E+00	0.00E+00	2.75E-10	1.83E-10	0.00E+00	0.00E+00	0.00E+00	1.83E-10
1133	381087.58	3735880.07	1.84E-09	0.00E+00	0.00E+00	0.00E+00	1.84E-09	2.83E-10	0.00E+00	0.00E+00	0.00E+00	2.83E-10	1.88E-10	0.00E+00	0.00E+00	0.00E+00	1.88E-10
1134	380937.58	3735910.07	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09	2.75E-10	0.00E+00	0.00E+00	0.00E+00	2.75E-10	1.83E-10	0.00E+00	0.00E+00	0.00E+00	1.83E-10
1135	380967.58	3735910.07	1.87E-09	0.00E+00	0.00E+00	0.00E+00	1.87E-09	2.88E-10	0.00E+00	0.00E+00	0.00E+00	2.88E-10	1.91E-10	0.00E+00	0.00E+00	0.00E+00	1.91E-10
1136	380997.58	3735910.07	1.94E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-09	2.99E-10	0.00E+00	0.00E+00	0.00E+00	2.99E-10	1.99E-10	0.00E+00	0.00E+00	0.00E+00	1.99E-10
1137	381027.58	3735910.07	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09	3.10E-10	0.00E+00	0.00E+00	0.00E+00	3.10E-10	2.06E-10	0.00E+00	0.00E+00	0.00E+00	2.06E-10
1138	381057.58	3735910.07	2.08E-09	0.00E+00	0.00E+00	0.00E+00	2.08E-09	3.20E-10	0.00E+00	0.00E+00	0.00E+00	3.20E-10	2.13E-10	0.00E+00	0.00E+00	0.00E+00	2.13E-10
1139	381087.58	3735910.07	2.14E-09	0.00E+00	0.00E+00	0.00E+00	2.14E-09	3.29E-10	0.00E+00	0.00E+00	0.00E+00	3.29E-10	2.19E-10	0.00E+00	0.00E+00	0.00E+00	2.19E-10
1140	381117.58	3735910.07	2.19E-09	0.00E+00	0.00E+00	0.00E+00	2.19E-09	3.38E-10	0.00E+00	0.00E+00	0.00E+00	3.38E-10	2.25E-10	0.00E+00	0.00E+00	0.00E+00	2.25E-10
1141	380937.58	3735940.07	2.11E-09	0.00E+00	0.00E+00	0.00E+00	2.11E-09	3.25E-10	0.00E+00	0.00E+00	0.00E+00	3.25E-10	2.16E-10	0.00E+00	0.00E+00	0.00E+00	2.16E-10
1142	380967.58	3735940.07	2.20E-09	0.00E+00	0.00E+00	0.00E+00	2.20E-09	3.40E-10	0.00E+00	0.00E+00	0.00E+00	3.40E-10	2.26E-10	0.00E+00	0.00E+00	0.00E+00	2.26E-10
1143	380997.58	3735940.07	2.29E-09	0.00E+00	0.00E+00	0.00E+00	2.29E-09	3.53E-10	0.00E+00	0.00E+00	0.00E+00	3.53E-10	2.35E-10	0.00E+00	0.00E+00	0.00E+00	2.35E-10
1144	381027.58	3735940.07	2.37E-09	0.00E+00	0.00E+00	0.00E+00	2.37E-09	3.66E-10	0.00E+00	0.00E+00	0.00E+00	3.66E-10	2.43E-10	0.00E+00	0.00E+00	0.00E+00	2.43E-10
1145	381057.58	3735940.07	2.44E-09	0.00E+00	0.00E+00	0.00E+00	2.44E-09	3.77E-10	0.00E+00	0.00E+00	0.00E+00	3.77E-10	2.50E-10	0.00E+00	0.00E+00	0.00E+00	2.50E-10
1146	381087.58	3735940.07	2.51E-09	0.00E+00	0.00E+00	0.00E+00	2.51E-09	3.87E-10	0.00E+00	0.00E+00	0.00E+00	3.87E-10	2.57E-10	0.00E+00	0.00E+00	0.00E+00	2.57E-10
1147	381117.58	3735940.07	2.57E-09	0.00E+00	0.00E+00	0.00E+00	2.57E-09	3.95E-10	0.00E+00	0.00E+00	0.00E+00	3.95E-10	2.63E-10	0.00E+00	0.00E+00	0.00E+00	2.63E-10
1148	380967.58	3735970.07	2.64E-09	0.00E+00	0.00E+00	0.00E+00	2.64E-09	4.07E-10	0.00E+00	0.00E+00	0.00E+00	4.07E-10	2.70E-10	0.00E+00	0.00E+00	0.00E+00	2.70E-10
1149	380997.58	3735970.07	2.74E-09	0.00E+00	0.00E+00	0.00E+00	2.74E-09	4.22E-10	0.00E+00	0.00E+00	0.00E+00	4.22E-10	2.81E-10	0.00E+00	0.00E+00	0.00E+00	2.81E-10
1150	381027.58	3735970.07	2.83E-09	0.00E+00	0.00E+00	0.00E+00	2.83E-09	4.36E-10	0.00E+00	0.00E+00	0.00E+00	4.36E-10	2.90E-10	0.00E+00	0.00E+00	0.00E+00	2.90E-10
1151	381057.58	3735970.07	2.91E-09	0.00E+00	0.00E+00	0.00E+00	2.91E-09	4.48E-10	0.00E+00	0.00E+00	0.00E+00	4.48E-10	2.98E-10	0.00E+00	0.00E+00	0.00E+00	2.98E-10
1152	381087.58	3735970.07	2.97E-09	0.00E+00	0.00E+00	0.00E+00	2.97E-09	4.58E-10	0.00E+00	0.00E+00	0.00E+00	4.58E-10	3.04E-10	0.00E+00	0.00E+00	0.00E+00	3.04E-10
1153	381117.58	3735970.07	3.03E-09	0.00E+00	0.00E+00	0.00E+00	3.03E-09	4.67E-10	0.00E+00	0.00E+00	0.00E+00	4.67E-10	3.10E-10	0.00E+00	0.00E+00	0.00E+00	3.10E-10
1154	381147.58	3735970.07	3.07E-09	0.00E+00	0.00E+00	0.00E+00	3.07E-09	4.74E-10	0.00E+00	0.00E+00	0.00E+00	4.74E-10	3.15E-10	0.00E+00	0.00E+00	0.00E+00	3.15E-10
1155	381027.58	3736000.07	3.41E-09	0.00E+00	0.00E+00	0.00E+00	3.41E-09	5.25E-10	0.00E+00	0.00E+00	0.00E+00	5.25E-10	3.49E-10	0.00E+00	0.00E+00	0.00E+00	3.49E-10
1156	381057.58	3736000.07	3.49E-09	0.00E+00	0.00E+00	0.00E+00	3.49E-09	5.37E-10	0.00E+00	0.00E+00	0.00E+00	5.37E-10	3.57E-10	0.00E+00	0.00E+00	0.00E+00	3.57E-10
1157	381087.58	3736000.07	3.55E-09	0.00E+00	0.00E+00	0.00E+00	3.55E-09	5.47E-10	0.00E+00	0.00E+00	0.00E+00	5.47E-10	3.63E-10	0.00E+00	0.00E+00	0.00E+00	3.63E-10
1158	381117.58	3736000.07	3.60E-09	0.00E+00	0.00E+00	0.00E+00	3.60E-09	5.54E-10	0.00E+00	0.00E+00	0.00E+00	5.54E-10	3.68E-10	0.00E+00	0.00E+00	0.00E+00	3.68E-10
1159	381147.58	3736000.07	3.63E-09	0.00E+00	0.00E+00	0.00E+00	3.63E-09	5.60E-10	0.00E+00	0.00E+00	0.00E+00	5.60E-10	3.72E-10	0.00E+00	0.00E+00	0.00E+00	3.72E-10
1160	380997.58	3736030.07	4.06E-09	0.00E+00	0.00E+00	0.00E+00	4.06E-09	6.26E-10	0.00E+00	0.00E+00	0.00E+00	6.26E-10	4.16E-10	0.00E+00	0.00E+00	0.00E+00	4.16E-10
1161	381027.58	3736030.07	4.15E-09	0.00E+00	0.00E+00	0.00E+00	4.15E-09	6.40E-10	0.00E+00	0.00E+00	0.00E+00	6.40E-10	4.25E-10	0.00E+00	0.00E+00	0.00E+00	4.25E-10
1162	381057.58	3736030.07	4.22E-09	0.00E+00	0.00E+00	0.00E+00	4.22E-09	6.50E-10	0.00E+00	0.00E+00	0.00E+00	6.50E-10	4.32E-10	0.00E+00	0.00E+00	0.00E+00	4.32E-10
1163	381087.58	3736030.07	4.27E-09	0.00E+00	0.00E+00	0.00E+00	4.27E-09	6.57E-10	0.00E+00	0.00E+00	0.00E+00	6.57E-10	4.37E-10	0.00E+00	0.00E+00	0.00E+00	4.37E-10
1164	381117.58	3736030.07	4.30E-09	0.00E+00	0.00E+00	0.00E+00	4.30E-09	6.62E-10	0.00E+00	0.00E+00	0.00E+00	6.62E-10	4.40E-10	0.00E+00	0.00E+00	0.00E+00	4.40E-10
1165	381147.58	3736030.07	4.31E-09	0.00E+00	0.00E+00	0.00E+00	4.31E-09	6.64E-10	0.00E+00	0.00E+00	0.00E+00	6.64E-10	4.42E-10	0.00E+00	0.00E+00	0.00E+00	4.42E-10
1166	380997.58	3736060.07	5.03E-09	0.00E+00	0.00E+00	0.00E+00	5.03E-09	7.75E-10	0.00E+00	0.00E+00	0.00E+00	7.75E-10	5.15E-10	0.00E+00	0.00E+00	0.00E+00	5.15E-10
1167	381027.58	3736060.07	5.10E-09	0.00E+00	0.00E+00	0.00E+00	5.10E-09	7.86E-10	0.00E+00	0.00E+00	0.00E+00	7.86E-10	5.22E-10	0.00E+00	0.00E+00	0.00E+00	5.22E-10
1168	381057.58	3736060.07	5.14E-09	0.00E+00	0.00E+00	0.00E+00	5.14E-09	7.93E-10	0.00E+00	0.00E+00	0.00E+00	7.93E-10	5.27E-10	0.00E+00	0.00E+00	0.00E+00	5.27E-10
1169	381087.58	3736060.07	5.16E-09	0.00E+00	0.00E+00	0.00E+00	5.16E-09	7.96E-10	0.00E+00	0.00E+00	0.00E+00	7.96E-10	5.29E-10	0.00E+00	0.00E+00	0.00E+00	5.29E-10
1170	381117.58	3736060.07	5.16E-09	0.00E+00	0.00E+00	0.00E+00	5.16E-09	7.95E-10	0.00E+00	0.00E+00	0.00E+00	7.95E-10	5.28E-10	0.00E+00	0.00E+00	0.00E+00	5.28E-10
1171	381147.58	3736060.07	5.13E-09	0.00E+00	0.00E+00	0.00E+00	5.13E-09	7.91E-10	0.00E+00	0.00E+00	0.00E+00	7.91E-10	5.26E-10	0.00E+00	0.00E+00	0.00E+00	5.26E-10
1172	381177.58	3736060.07	5.08E-09	0.00E+00	0.00E+00	0.00E+00	5.08E-09	7.83E-10	0.00E+00	0.00E+00	0.00E+00	7.83E-10	5.21E-10	0.00E+00	0.00E+00	0.00E+00	5.21E-10
1173	380967.58	3736090.07	6.24E-09	0.00E+00	0.00E+00	0.00E+00	6.24E-09	9.61E-10	0.00E+00	0.00E+00	0.00E+00	9.61E-10	6.39E-10	0.00E+00	0.00E+00	0.00E+00	6.39E-10

1174	380997.58	3736090.07	6.30E-09	0.00E+00	0.00E+00	0.00E+00	6.30E-09	9.70E-10	0.00E+00	0.00E+00	0.00E+00	9.70E-10	6.45E-10	0.00E+00	0.00E+00	0.00E+00	6.45E-10
1175	381027.58	3736090.07	6.33E-09	0.00E+00	0.00E+00	0.00E+00	6.33E-09	9.75E-10	0.00E+00	0.00E+00	0.00E+00	9.75E-10	6.48E-10	0.00E+00	0.00E+00	0.00E+00	6.48E-10
1176	381057.58	3736090.07	6.32E-09	0.00E+00	0.00E+00	0.00E+00	6.32E-09	9.74E-10	0.00E+00	0.00E+00	0.00E+00	9.74E-10	6.48E-10	0.00E+00	0.00E+00	0.00E+00	6.48E-10
1177	381087.58	3736090.07	6.29E-09	0.00E+00	0.00E+00	0.00E+00	6.29E-09	9.69E-10	0.00E+00	0.00E+00	0.00E+00	9.69E-10	6.44E-10	0.00E+00	0.00E+00	0.00E+00	6.44E-10
1178	381117.58	3736090.07	6.22E-09	0.00E+00	0.00E+00	0.00E+00	6.22E-09	9.59E-10	0.00E+00	0.00E+00	0.00E+00	9.59E-10	6.37E-10	0.00E+00	0.00E+00	0.00E+00	6.37E-10
1179	381147.58	3736090.07	6.13E-09	0.00E+00	0.00E+00	0.00E+00	6.13E-09	9.44E-10	0.00E+00	0.00E+00	0.00E+00	9.44E-10	6.27E-10	0.00E+00	0.00E+00	0.00E+00	6.27E-10
1180	381177.58	3736090.07	6.00E-09	0.00E+00	0.00E+00	0.00E+00	6.00E-09	9.25E-10	0.00E+00	0.00E+00	0.00E+00	9.25E-10	6.15E-10	0.00E+00	0.00E+00	0.00E+00	6.15E-10
1181	380967.58	3736120.07	7.98E-09	0.00E+00	0.00E+00	0.00E+00	7.98E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09	8.17E-10	0.00E+00	0.00E+00	0.00E+00	8.17E-10
1182	380997.58	3736120.07	7.97E-09	0.00E+00	0.00E+00	0.00E+00	7.97E-09	1.23E-09	0.00E+00	0.00E+00	0.00E+00	1.23E-09	8.17E-10	0.00E+00	0.00E+00	0.00E+00	8.17E-10
1183	381027.58	3736120.07	7.93E-09	0.00E+00	0.00E+00	0.00E+00	7.93E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09	8.12E-10	0.00E+00	0.00E+00	0.00E+00	8.12E-10
1184	381057.58	3736120.07	7.84E-09	0.00E+00	0.00E+00	0.00E+00	7.84E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09	8.03E-10	0.00E+00	0.00E+00	0.00E+00	8.03E-10
1185	381087.58	3736120.07	7.70E-09	0.00E+00	0.00E+00	0.00E+00	7.70E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09	7.88E-10	0.00E+00	0.00E+00	0.00E+00	7.88E-10
1186	381117.58	3736120.07	7.52E-09	0.00E+00	0.00E+00	0.00E+00	7.52E-09	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09	7.70E-10	0.00E+00	0.00E+00	0.00E+00	7.70E-10
1187	381147.58	3736120.07	7.31E-09	0.00E+00	0.00E+00	0.00E+00	7.31E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09	7.48E-10	0.00E+00	0.00E+00	0.00E+00	7.48E-10
1188	381177.58	3736120.07	7.07E-09	0.00E+00	0.00E+00	0.00E+00	7.07E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09	7.24E-10	0.00E+00	0.00E+00	0.00E+00	7.24E-10
1189	380937.58	3736150.07	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.61E-09	0.00E+00	0.00E+00	0.00E+00	1.61E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-09
1190	380967.58	3736150.07	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
1191	380997.58	3736150.07	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
1192	381027.58	3736150.07	1.00E-08	0.00E+00	0.00E+00	0.00E+00	1.00E-08	1.55E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
1193	381057.58	3736150.07	9.78E-09	0.00E+00	0.00E+00	0.00E+00	9.78E-09	1.51E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-09	1.00E-09	0.00E+00	0.00E+00	0.00E+00	1.00E-09
1194	381087.58	3736150.07	9.45E-09	0.00E+00	0.00E+00	0.00E+00	9.45E-09	1.46E-09	0.00E+00	0.00E+00	0.00E+00	1.46E-09	9.67E-10	0.00E+00	0.00E+00	0.00E+00	9.67E-10
1195	381117.58	3736150.07	9.08E-09	0.00E+00	0.00E+00	0.00E+00	9.08E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09	9.30E-10	0.00E+00	0.00E+00	0.00E+00	9.30E-10
1196	381147.58	3736150.07	8.69E-09	0.00E+00	0.00E+00	0.00E+00	8.69E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09	8.90E-10	0.00E+00	0.00E+00	0.00E+00	8.90E-10
1197	381177.58	3736150.07	8.29E-09	0.00E+00	0.00E+00	0.00E+00	8.29E-09	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09	8.49E-10	0.00E+00	0.00E+00	0.00E+00	8.49E-10
1198	381207.58	3736150.07	7.88E-09	0.00E+00	0.00E+00	0.00E+00	7.88E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09	8.07E-10	0.00E+00	0.00E+00	0.00E+00	8.07E-10
1199	380937.58	3736180.07	1.40E-08	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.16E-09	0.00E+00	0.00E+00	0.00E+00	2.16E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09
1200	380967.58	3736180.07	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.12E-09	0.00E+00	0.00E+00	0.00E+00	2.12E-09	1.41E-09	0.00E+00	0.00E+00	0.00E+00	1.41E-09
1201	380997.58	3736180.07	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.06E-09	0.00E+00	0.00E+00	0.00E+00	2.06E-09	1.37E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-09
1202	381027.58	3736180.07	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.98E-09	0.00E+00	0.00E+00	0.00E+00	1.98E-09	1.32E-09	0.00E+00	0.00E+00	0.00E+00	1.32E-09
1203	381057.58	3736180.07	1.22E-08	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.88E-09	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09
1204	381087.58	3736180.07	1.16E-08	0.00E+00	0.00E+00	0.00E+00	1.16E-08	1.79E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
1205	381117.58	3736180.07	1.09E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-08	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09	1.12E-09	0.00E+00	0.00E+00	0.00E+00	1.12E-09
1206	381147.58	3736180.07	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
1207	381177.58	3736180.07	9.65E-09	0.00E+00	0.00E+00	0.00E+00	9.65E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09	9.89E-10	0.00E+00	0.00E+00	0.00E+00	9.89E-10
1208	381207.58	3736180.07	9.06E-09	0.00E+00	0.00E+00	0.00E+00	9.06E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09	9.28E-10	0.00E+00	0.00E+00	0.00E+00	9.28E-10
1209	380937.58	3736210.07	1.96E-08	0.00E+00	0.00E+00	0.00E+00	1.96E-08	3.02E-09	0.00E+00	0.00E+00	0.00E+00	3.02E-09	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09
1210	380967.58	3736210.07	1.88E-08	0.00E+00	0.00E+00	0.00E+00	1.88E-08	2.90E-09	0.00E+00	0.00E+00	0.00E+00	2.90E-09	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09
1211	380997.58	3736210.07	1.77E-08	0.00E+00	0.00E+00	0.00E+00	1.77E-08	2.72E-09	0.00E+00	0.00E+00	0.00E+00	2.72E-09	1.81E-09	0.00E+00	0.00E+00	0.00E+00	1.81E-09
1212	381027.58	3736210.07	1.65E-08	0.00E+00	0.00E+00	0.00E+00	1.65E-08	2.54E-09	0.00E+00	0.00E+00	0.00E+00	2.54E-09	1.69E-09	0.00E+00	0.00E+00	0.00E+00	1.69E-09
1213	381057.58	3736210.07	1.53E-08	0.00E+00	0.00E+00	0.00E+00	1.53E-08	2.35E-09	0.00E+00	0.00E+00	0.00E+00	2.35E-09	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.56E-09
1214	381087.58	3736210.07	1.41E-08	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.18E-09	0.00E+00	0.00E+00	0.00E+00	2.18E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09
1215	381117.58	3736210.07	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
1216	381147.58	3736210.07	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-08	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09	1.24E-09	0.00E+00	0.00E+00	0.00E+00	1.24E-09
1217	381177.58	3736210.07	1.12E-08	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.72E-09	0.00E+00	0.00E+00	0.00E+00	1.72E-09	1.14E-09	0.00E+00	0.00E+00	0.00E+00	1.14E-09
1218	381207.58	3736210.07	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
1219	381237.58	3736210.07	9.56E-09	0.00E+00	0.00E+00	0.00E+00	9.56E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09	9.79E-10	0.00E+00	0.00E+00	0.00E+00	9.79E-10
1220	380937.58	3736240.07	2.90E-08	0.00E+00	0.00E+00	0.00E+00	2.90E-08	4.47E-09	0.00E+00	0.00E+00	0.00E+00	4.47E-09	2.97E-09	0.00E+00	0.00E+00	0.00E+00	2.97E-09
1221	380967.58	3736240.07	2.64E-08	0.00E+00	0.00E+00	0.00E+00	2.64E-08	4.07E-09	0.00E+00	0.00E+00	0.00E+00	4.07E-09	2.70E-09	0.00E+00	0.00E+00	0.00E+00	2.70E-09
1222	380997.58	3736240.07	2.36E-08	0.00E+00	0.00E+00	0.00E+00	2.36E-08	3.64E-09	0.00E+00	0.00E+00	0.00E+00	3.64E-09	2.42E-09	0.00E+00	0.00E+00	0.00E+00	2.42E-09
1223	381027.58	3736240.07	2.11E-08	0.00E+00	0.00E+00	0.00E+00	2.11E-08	3.25E-09	0.00E+00	0.00E+00	0.00E+00	3.25E-09	2.16E-09	0.00E+00	0.00E+00	0.00E+00	2.16E-09
1224	381057.58	3736240.07	1.89E-08	0.00E+00	0.00E+00	0.00E+00	1.89E-08	2.91E-09	0.00E+00	0.00E+00	0.00E+00	2.91E-09	1.93E-09	0.00E+00	0.00E+00	0.00E+00	1.93E-09
1225	381087.58	3736240.07	1.71E-08	0.00E+00	0.00E+00	0.00E+00	1.71E-08	2.63E-09	0.00E+00	0.00E+00	0.00E+00	2.63E-09	1.75E-09	0.00E+00	0.00E+00	0.00E+00	1.75E-09
1226	381117.58	3736240.07	1.55E-08	0.00E+00	0.00E+00	0.00E+00	1.55E-08	2.38E-09	0.00E+00	0.00E+00	0.00E+00	2.38E-09	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09
1227	381147.58	3736240.07	1.40E-08	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.16E-09	0.00E+00	0.00E+00	0.00E+00	2.16E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	1.44E-09
1228	381177.58	3736240.07	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
1229	381207.58	3736240.07	1.17E-08	0.00E+00	0.00E+00	0.00E+00	1.17E-08	1.80E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.19E-09
1230	381237.58	3736240.07	1.07E-08	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.65E-09	0.00E+00	0.00E+00	0.00E+00	1.65E-09	1.09E-09	0.00E+00	0.00E+00	0.00E+00	1.09E-09
1231	380937.58	3736270.07	4.46E-08	0.00E+00	0.00E+00	0.00E+00	4.46E-08	6.87E-09	0.00E+00	0.00E+00	0.00E+00	6.87E-09	4.57E-09	0.00E+00	0.00E+00	0.00E+00	4.57E-09
1232	380967.58	3736270.07	3.71E-08	0.00E+00	0.00E+00	0.00E+00	3.71E-08	5.72E-09	0.00E+00	0.00E+00	0.00E+00	5.72E-09	3.80E-09	0.00E+00	0.00E+00	0.00E+00	3.80E-09
1233	380997.58	3736270.07	3.13E-08	0.00E+00	0.00E+00	0.00E+00	3.13E-08	4.83E-09	0.00E+00	0.00E+00	0.00E+00	4.83E-09	3.21E-09	0.00E+00	0.00E+00	0.00E+00	3.21E-09
1234	381027.58	3736270.07	2.68E-08	0.00E+00	0.00E+00	0.00E+00	2.68E-08	4.14E-09	0.00E+00	0.00E+00	0.00E+00	4.14E-09	2.75E-09	0.00E+00	0.00E+00	0.00E+00	2.75E-09
1235	381057.58	3736270.07	2.32E-08	0.00E+00	0.00E+00	0.00E+00	2.32E-08	3.57E-09	0.00E+00	0.00E+00	0.00E+00	3.57E-09	2.37E-09	0.00E+00	0.00E+00	0.00E+00	2.37E-09
1236	381087.58	3736270.07	2.04E-08	0.00E+00	0.00E+00	0.00E+00	2.04E-08	3.14E-09	0.00E+00	0.00E+00	0.00E+00	3.14E-09	2.09E-09	0.00E+00	0.00E+00	0.00E+00	2.09E-09
1237	381117.58	3736270.07	1.81E-08	0.00E+00	0.00E+00	0.00E+00	1.81E-08	2.79E-09	0.00E+00	0.00E+00	0.00E+00	2.79E-09	1.86E-09	0.00E+00	0.00E+00	0.00E+00	1.86E-09
1238	381147.58	3736270.07	1.62E-08	0.00E+00	0.00E+00	0.00E+00	1.62E-08	2.49E-09	0.00E+00	0.00E+00	0.00E+00	2.49E-09	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09
1239	381177.58	3736270.07	1.45E-08	0.00E+00	0.00E+00	0.00E+00	1.45E-08	2.24E-09	0.00E+00	0.00E+00	0.00E+00	2.24E-09	1.49E-09	0.00E+00	0.00E+00	0.00E+00	1.49E-09
1240	381207.58	3736270.07	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
1241	381237.58	3736270.07	1.19E-08	0.00E+00	0.00E+00	0.00E+00	1.19E-08	1.83E-09	0.00E+00	0.00E+00	0.00E+00	1.83E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
1242	381267.58	3736270.07	1.08E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09
1243	380967.58	3736300.07	5.12E-08	0.00E+00	0.00E+00	0.00E+00	5.12E-08	7.89E-09	0.00E+00	0.00E+00	0.00E+00	7.89E-09	5.24E-09	0.00E+00	0.00E+00	0.00E+00	5.24E-09
1244	380997.58	3736300.07	4.12E-08	0.00E+00	0.00E+00	0.00E+00	4.12E-08	6.34E-09	0.00E+00	0.00E+00	0.00E+00	6.34E-09	4.22E-09	0.00E+00	0.00E+00	0.00E+00	4.22E-09
1245	381027.58	3736300.07	3.39E-08	0.00E+00	0.00E+00	0.00E+00	3.39E-08	5.22E-09	0.00E+00	0.00E+00	0.00E+00	5.22E-09	3.47E-09	0.00E+00	0.00E+00	0.00E+00	3.47E-09
1246	381057.58	3736300.07	2.83E-08	0.00E+00	0.00E+00	0.00E+00	2.83E-08	4.36E-09	0.00E+00	0.00E+00	0.00E+00	4.36E-09	2.90E-09	0.00E+00	0.00E+00	0.00E+00	2.90E-09
1247	381087.58	3736300.07	2.42E-08	0.00E+00	0.00E+00	0.00E+00	2.42E-08	3.73E-09	0.00E+00	0.00E+00	0.00E+00	3.73E-09	2.48E-09	0.00E+00	0.00E+00	0.00E+00	2.48E-09
1248	381117.58	3736300.07	2.11E-08	0.00E+00	0.00E+00	0.00E+00	2.11E-08	3.25E-09	0.00E+00	0.00E+00	0.00E+00	3.25E-09	2.16E-09	0.00E+00	0.00E+00	0.00E+00	2.16E-09
1249	381147.58	3736300.07	1.85E-08	0.00E+00	0.00E+00	0.00E+00	1.85E-08	2.86E-09	0.00E+00	0.00E+00	0.00E+00	2.86E-09	1.90E-09	0.00E+00	0.00E+00	0.00E+00	1.90E-09
1250	381177.58	3736300.07	1.64E-08	0.00E+00	0.00E+00	0.00E+00	1.64E-08	2.53E-09	0.00E+00	0.00E+00	0.00E+00	2.53E-09	1.68E-09	0.00E+00	0.00E+00	0.00E+00	1.68E-09
1251	381207.58	3736300.07	1.46E-08	0.00E+00	0.00E+00	0.00E+00	1.46E-08	2.25E-09	0.00E+00	0.00E+00	0.00E+00	2.25E-09	1.50E-09	0.00E+00	0.00E+00	0.00E+00	1.50E-09
1252	381237.58	3736300.07	1.31E-08	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.02E-09	0.00E+00	0.00E+00	0.00E+00	2.02E-09	1.34E-09	0.00E+00	0.00E+00	0.00E+00	1.34E-09
1253	381267.58	3736300.07	1.18E-08	0.00E+00	0.00E+00	0.00E+00	1.18E-08	1.81E-09	0.00E+00	0.00E+00	0.00E+00	1.81E-09	1.21E-09	0.00E+00	0.00E+00	0.00E+00	1.21E-09
1254	380997.58	3736330.07	5.48E-08	0.00E+00	0.00E+00	0.00E+00	5.48E-08	8.45E-09	0.00E+00	0.00E+00	0.00E+00	8.45E-09	5.61E-09	0.00E+00	0.00E+00	0.00E+00	5.61E-09
1255	381027.58	3736330.07	4.32E-08	0.00E+00	0.00E+00	0.00E+00	4.32E-08	6.66E-09	0.00E+00	0.00E+00	0.00E+00	6.66E-09	4.42E-09	0.00E+00	0.00E+00	0.00E+00	4.42E-09
1256	381057.58	3736330.07	3.47E-08	0.00E+00	0.00E+00	0.00E+00	3.47E-08	5.35E-09	0.00E+00	0.00E+00	0.00E+00	5.35E-09	3.55E-09	0.00E+00	0.00E+00	0.00E+00	3.55E-09
1257	381087.58	3736330.07	2.88E-08	0.00E+00	0.00E+00	0.00E+00	2.88E-08	4.44E-09	0.00E+00	0.00E+00	0.00E+00	4.44E-09	2.95E-09	0.00E+00	0.00E+00	0.00E+00	2.95E-09
1258	381117.58	3736330.07	2.46E-08	0.00E+00	0.00E+00	0.00E+00	2.46E-08	3.78E-09	0.00E+00	0.00E+00	0.00E+00	3.78E-09	2.51E-09	0.00E+00	0.00E+00	0.00E+00	2.51E-09
1259	381147.58	3736330.07	2.12E-08	0.00E+00	0.00E+00	0.00E+00	2.12E-08	3.26E-09	0.00E+00	0.00E+00	0.00E+00	3.26E-09	2.17E-09	0.00E+00	0.00E+00	0.00E+00	2.17E-09
1260	381177.58	3736330.07	1.85E-08	0.00E+00	0.00E+00	0.00E+00	1.85E-08	2.85E-09	0.00E+00	0.00E+00	0.00E+00	2.85E-09	1.89E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-09
1261	381207.58	3736330.07	1.62E-08	0.00E+00	0.00E+00	0.00E+00	1.62E-08	2.50E-09	0.00E+00	0.00E+00	0.00E+00	2.50E-09	1.66E-09	0.00E+00	0.00E+00	0.00E+00	1.66E-09
1262	381237.58	3736330.07	1.44E-08	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.22E-09	0.00E+00	0.00E+00	0.00E+00	2.22E-09	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09
1263	381267.58	3736330.07	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.97E-09	0.00E+00	0.00E+00	0.00E+00	1.97E-09	1.31E-09	0.00E+00	0.00E+00	0.00E+00	1.31E-09
1264	381297.58	3736330.07	1.15E-08	0.00E+00	0.00E+00	0.00E+00	1.15E-08	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09
1265	380673.9	3735638.46	4.45E-10	0.00E+00	0.00E+00	0.00E+00	4.45E-10	6.86E-11	0.00E+00	0.00E+00	0.00E+00	6.86E-11	4.56E-11	0.00E+00	0.00E+00	0.00E+00	4.56E-11
1266	380703.9	3735638.46	4.67E-10	0.00E+00	0.00E+00	0.00E+00	4.67E-10	7.20E-11	0.00E+00	0.00E+00	0.00E+00	7.20E-11	4.78E-11	0.00E+00	0.00E+00	0.00E+00	4.78E-11
1267	380733.9	3735638.46	4.90E-10	0.00E+00	0.00E+00	0.00E+00	4.90E-10	7.54E-11	0.00E+00	0.00E+00	0.00E+00	7.54E-11	5.01E-11	0.00E+00	0.00E+00	0.00E+00	5.01E-11
1268	380763.9	3735638.46	5.13E-10	0.00E+00	0.00E+00	0.00E+00	5.13E-10	7.90E-11	0.00E+00	0.00E+00	0.00E+00	7.90E-11	5.25E-11	0.00E+00	0.00E+00	0.00E+00	5.25E-11
1269	380793.9	3735638.46	5.36E-10	0.00E+00	0.00E+00	0.00E+00	5.36E-10	8.26E-11	0.00E+00	0.00E+00	0.00E+00	8.26E-11	5.49E-11	0.00E+00	0.00E+00	0.00E+00	5.49E-11
1270	380823.9	3735638.46	5.60E-10	0.00E+00	0.00E+00	0.00E+00	5.60E-10	8.63E-11	0.00E+00	0.00E+00	0.00E+00	8.63E-11	5.74E-11	0.00E+00	0.00E+00	0.00E+00	5.74E-11
1271	380853.9	3735638.46	5.83E-10	0.00E+00	0.00E+00	0.00E+00	5.83E-10	8.99E-11	0.00E+00	0.00E+00	0.00E+00	8.99E-11	5.98E-11	0.00E+00	0.00E+00	0.00E+00	5.98E-11
1272	380883.9	3735638.46	6.07E-10	0.00E+00	0.00E+00	0.00E+00	6.07E-10	9.35E-11	0.00E+00	0.00E+00	0.00E+00	9.35E-11	6.21E-11	0.00E+00	0.00E+00	0.00E+00	6.21E-11
1273	380913.9	3735638.46	6.29E-10	0.00E+00	0.00E+00	0.00E+00	6.29E-10	9.70E-11	0.00E+00	0.00E+00	0.00E+00	9.70E-11	6.44E-11	0.00E+00	0.00E+00	0.00E+00	6.44E-11
1274	380673.9	3735668.46	4.76E-10	0.00E+00	0.00E+00	0.00E+00	4.76E-10	7.34E-11	0.00E+00	0.00E+00	0.00E+00	7.34E-11	4.88E-11	0.00E+00	0.00E+00	0.00E+00	4.88E-11
1275	380703.9	3735668.46	5.01E-10	0.00E+00	0.00E+00	0.00E+00	5.01E-10	7.71E-11	0.00E+00	0.00E+00	0.00E+00	7.71E-11	5.13E-11	0.00E+00	0.00E+00	0.00E+00	5.13E-11
1276	380733.9	3735668.46	5.26E-10	0.00E+00	0.00E+00	0.00E+00	5.26E-10	8.10E-11	0.00E+00	0.00E+00	0.00E+00	8.10E-11	5.39E-11	0.00E+00	0.00E+00	0.00E+00	5.39E-11
1277	380763.9	3735668.46	5.42E-10	0.00E+00	0.00E+00	0.00E+00	5.42E-10	8.36E-11	0.00E+00	0.00E+00	0.00E+00	8.36E-11	5.56E-11	0.00E+00	0.00E+00	0.00E+00	5.56E-11
1278	380793.9	3735668.46	5.73E-10	0.00E+00	0.00E+00	0.00E+00	5.73E-10	8.83E-11	0.00E+00	0.00E+00	0.00E+00	8.83E-11	5.87E-11	0.00E+00	0.00E+00	0.00E+00	5.87E-11
1279	380823.9	3735668.46	6.06E-10	0.00E+00	0.00E+00	0.00E+00	6.06E-10	9.34E-11	0.00E+00	0.00E+00	0.00E+00	9.34E-11	6.20E-11	0.00E+00	0.00E+00	0.00E+00	6.20E-11
1280	380853.9	3735668.46	6.32E-10	0.00E+00	0.00E+00	0.00E+00	6.32E-10	9.74E-11	0.00E+00	0.00E+00	0.00E+00	9.74E-11	6.47E-11	0.00E+00	0.00E+00	0.00E+00	6.47E-11

1281	380883.9	3735668.46	6.58E-10	0.00E+00	0.00E+00	0.00E+00	6.58E-10	1.01E-10	0.00E+00	0.00E+00	0.00E+00	1.01E-10	6.74E-11	0.00E+00	0.00E+00	0.00E+00	6.74E-11
1282	380913.9	3735668.46	6.83E-10	0.00E+00	0.00E+00	0.00E+00	6.83E-10	1.05E-10	0.00E+00	0.00E+00	0.00E+00	1.05E-10	7.00E-11	0.00E+00	0.00E+00	0.00E+00	7.00E-11
1283	380733.9	3735698.46	5.67E-10	0.00E+00	0.00E+00	0.00E+00	5.67E-10	8.75E-11	0.00E+00	0.00E+00	0.00E+00	8.75E-11	5.81E-11	0.00E+00	0.00E+00	0.00E+00	5.81E-11
1284	380763.9	3735698.46	5.91E-10	0.00E+00	0.00E+00	0.00E+00	5.91E-10	9.11E-11	0.00E+00	0.00E+00	0.00E+00	9.11E-11	6.05E-11	0.00E+00	0.00E+00	0.00E+00	6.05E-11
1285	380793.9	3735698.46	6.23E-10	0.00E+00	0.00E+00	0.00E+00	6.23E-10	9.60E-11	0.00E+00	0.00E+00	0.00E+00	9.60E-11	6.38E-11	0.00E+00	0.00E+00	0.00E+00	6.38E-11
1286	380823.9	3735698.46	6.58E-10	0.00E+00	0.00E+00	0.00E+00	6.58E-10	1.01E-10	0.00E+00	0.00E+00	0.00E+00	1.01E-10	6.74E-11	0.00E+00	0.00E+00	0.00E+00	6.74E-11
1287	380853.9	3735698.46	6.88E-10	0.00E+00	0.00E+00	0.00E+00	6.88E-10	1.06E-10	0.00E+00	0.00E+00	0.00E+00	1.06E-10	7.05E-11	0.00E+00	0.00E+00	0.00E+00	7.05E-11
1288	380883.9	3735698.46	7.18E-10	0.00E+00	0.00E+00	0.00E+00	7.18E-10	1.11E-10	0.00E+00	0.00E+00	0.00E+00	1.11E-10	7.35E-11	0.00E+00	0.00E+00	0.00E+00	7.35E-11
1289	380913.9	3735698.46	7.46E-10	0.00E+00	0.00E+00	0.00E+00	7.46E-10	1.15E-10	0.00E+00	0.00E+00	0.00E+00	1.15E-10	7.64E-11	0.00E+00	0.00E+00	0.00E+00	7.64E-11
1290	380673.9	3735728.46	5.52E-10	0.00E+00	0.00E+00	0.00E+00	5.52E-10	8.50E-11	0.00E+00	0.00E+00	0.00E+00	8.50E-11	5.65E-11	0.00E+00	0.00E+00	0.00E+00	5.65E-11
1291	380703.9	3735728.46	5.83E-10	0.00E+00	0.00E+00	0.00E+00	5.83E-10	8.99E-11	0.00E+00	0.00E+00	0.00E+00	8.99E-11	5.97E-11	0.00E+00	0.00E+00	0.00E+00	5.97E-11
1292	380733.9	3735728.46	6.16E-10	0.00E+00	0.00E+00	0.00E+00	6.16E-10	9.49E-11	0.00E+00	0.00E+00	0.00E+00	9.49E-11	6.31E-11	0.00E+00	0.00E+00	0.00E+00	6.31E-11
1293	380853.9	3735728.46	7.54E-10	0.00E+00	0.00E+00	0.00E+00	7.54E-10	1.16E-10	0.00E+00	0.00E+00	0.00E+00	1.16E-10	7.72E-11	0.00E+00	0.00E+00	0.00E+00	7.72E-11
1294	380883.9	3735728.46	7.87E-10	0.00E+00	0.00E+00	0.00E+00	7.87E-10	1.21E-10	0.00E+00	0.00E+00	0.00E+00	1.21E-10	8.06E-11	0.00E+00	0.00E+00	0.00E+00	8.06E-11
1295	380913.9	3735728.46	8.19E-10	0.00E+00	0.00E+00	0.00E+00	8.19E-10	1.26E-10	0.00E+00	0.00E+00	0.00E+00	1.26E-10	8.39E-11	0.00E+00	0.00E+00	0.00E+00	8.39E-11
1296	380583.9	3735758.46	5.03E-10	0.00E+00	0.00E+00	0.00E+00	5.03E-10	7.75E-11	0.00E+00	0.00E+00	0.00E+00	7.75E-11	5.15E-11	0.00E+00	0.00E+00	0.00E+00	5.15E-11
1297	380613.9	3735758.46	5.32E-10	0.00E+00	0.00E+00	0.00E+00	5.32E-10	8.20E-11	0.00E+00	0.00E+00	0.00E+00	8.20E-11	5.45E-11	0.00E+00	0.00E+00	0.00E+00	5.45E-11
1298	380643.9	3735758.46	5.64E-10	0.00E+00	0.00E+00	0.00E+00	5.64E-10	8.69E-11	0.00E+00	0.00E+00	0.00E+00	8.69E-11	5.78E-11	0.00E+00	0.00E+00	0.00E+00	5.78E-11
1299	380673.9	3735758.46	5.98E-10	0.00E+00	0.00E+00	0.00E+00	5.98E-10	9.22E-11	0.00E+00	0.00E+00	0.00E+00	9.22E-11	6.13E-11	0.00E+00	0.00E+00	0.00E+00	6.13E-11
1300	380703.9	3735758.46	6.34E-10	0.00E+00	0.00E+00	0.00E+00	6.34E-10	9.78E-11	0.00E+00	0.00E+00	0.00E+00	9.78E-11	6.50E-11	0.00E+00	0.00E+00	0.00E+00	6.50E-11
1301	380733.9	3735758.46	6.72E-10	0.00E+00	0.00E+00	0.00E+00	6.72E-10	1.04E-10	0.00E+00	0.00E+00	0.00E+00	1.04E-10	6.89E-11	0.00E+00	0.00E+00	0.00E+00	6.89E-11
1302	380763.9	3735758.46	7.11E-10	0.00E+00	0.00E+00	0.00E+00	7.11E-10	1.10E-10	0.00E+00	0.00E+00	0.00E+00	1.10E-10	7.29E-11	0.00E+00	0.00E+00	0.00E+00	7.29E-11
1303	380793.9	3735758.46	7.51E-10	0.00E+00	0.00E+00	0.00E+00	7.51E-10	1.16E-10	0.00E+00	0.00E+00	0.00E+00	1.16E-10	7.69E-11	0.00E+00	0.00E+00	0.00E+00	7.69E-11
1304	380613.9	3735788.46	5.76E-10	0.00E+00	0.00E+00	0.00E+00	5.76E-10	8.88E-11	0.00E+00	0.00E+00	0.00E+00	8.88E-11	5.90E-11	0.00E+00	0.00E+00	0.00E+00	5.90E-11
1305	380643.9	3735788.46	6.13E-10	0.00E+00	0.00E+00	0.00E+00	6.13E-10	9.44E-11	0.00E+00	0.00E+00	0.00E+00	9.44E-11	6.28E-11	0.00E+00	0.00E+00	0.00E+00	6.28E-11
1306	380673.9	3735788.46	6.52E-10	0.00E+00	0.00E+00	0.00E+00	6.52E-10	1.01E-10	0.00E+00	0.00E+00	0.00E+00	1.01E-10	6.68E-11	0.00E+00	0.00E+00	0.00E+00	6.68E-11
1307	380703.9	3735788.46	6.94E-10	0.00E+00	0.00E+00	0.00E+00	6.94E-10	1.07E-10	0.00E+00	0.00E+00	0.00E+00	1.07E-10	7.11E-11	0.00E+00	0.00E+00	0.00E+00	7.11E-11
1308	380733.9	3735788.46	7.39E-10	0.00E+00	0.00E+00	0.00E+00	7.39E-10	1.14E-10	0.00E+00	0.00E+00	0.00E+00	1.14E-10	7.56E-11	0.00E+00	0.00E+00	0.00E+00	7.56E-11
1309	380763.9	3735788.46	7.84E-10	0.00E+00	0.00E+00	0.00E+00	7.84E-10	1.21E-10	0.00E+00	0.00E+00	0.00E+00	1.21E-10	8.03E-11	0.00E+00	0.00E+00	0.00E+00	8.03E-11
1310	380793.9	3735788.46	8.30E-10	0.00E+00	0.00E+00	0.00E+00	8.30E-10	1.28E-10	0.00E+00	0.00E+00	0.00E+00	1.28E-10	8.50E-11	0.00E+00	0.00E+00	0.00E+00	8.50E-11
1311	380823.9	3735788.46	8.76E-10	0.00E+00	0.00E+00	0.00E+00	8.76E-10	1.35E-10	0.00E+00	0.00E+00	0.00E+00	1.35E-10	8.97E-11	0.00E+00	0.00E+00	0.00E+00	8.97E-11
1312	380853.9	3735788.46	9.21E-10	0.00E+00	0.00E+00	0.00E+00	9.21E-10	1.42E-10	0.00E+00	0.00E+00	0.00E+00	1.42E-10	9.43E-11	0.00E+00	0.00E+00	0.00E+00	9.43E-11
1313	380883.9	3735788.46	9.65E-10	0.00E+00	0.00E+00	0.00E+00	9.65E-10	1.49E-10	0.00E+00	0.00E+00	0.00E+00	1.49E-10	9.89E-11	0.00E+00	0.00E+00	0.00E+00	9.89E-11
1314	380913.9	3735788.46	1.01E-09	0.00E+00	0.00E+00	0.00E+00	1.01E-09	1.55E-10	0.00E+00	0.00E+00	0.00E+00	1.55E-10	1.03E-10	0.00E+00	0.00E+00	0.00E+00	1.03E-10
1315	380643.9	3735818.46	6.69E-10	0.00E+00	0.00E+00	0.00E+00	6.69E-10	1.03E-10	0.00E+00	0.00E+00	0.00E+00	1.03E-10	6.86E-11	0.00E+00	0.00E+00	0.00E+00	6.86E-11
1316	380673.9	3735818.46	7.15E-10	0.00E+00	0.00E+00	0.00E+00	7.15E-10	1.10E-10	0.00E+00	0.00E+00	0.00E+00	1.10E-10	7.33E-11	0.00E+00	0.00E+00	0.00E+00	7.33E-11
1317	380703.9	3735818.46	7.64E-10	0.00E+00	0.00E+00	0.00E+00	7.64E-10	1.18E-10	0.00E+00	0.00E+00	0.00E+00	1.18E-10	7.83E-11	0.00E+00	0.00E+00	0.00E+00	7.83E-11
1318	380733.9	3735818.46	8.16E-10	0.00E+00	0.00E+00	0.00E+00	8.16E-10	1.26E-10	0.00E+00	0.00E+00	0.00E+00	1.26E-10	8.36E-11	0.00E+00	0.00E+00	0.00E+00	8.36E-11
1319	380763.9	3735818.46	8.70E-10	0.00E+00	0.00E+00	0.00E+00	8.70E-10	1.34E-10	0.00E+00	0.00E+00	0.00E+00	1.34E-10	8.91E-11	0.00E+00	0.00E+00	0.00E+00	8.91E-11
1320	380793.9	3735818.46	9.24E-10	0.00E+00	0.00E+00	0.00E+00	9.24E-10	1.42E-10	0.00E+00	0.00E+00	0.00E+00	1.42E-10	9.47E-11	0.00E+00	0.00E+00	0.00E+00	9.47E-11
1321	380823.9	3735818.46	9.78E-10	0.00E+00	0.00E+00	0.00E+00	9.78E-10	1.51E-10	0.00E+00	0.00E+00	0.00E+00	1.51E-10	1.00E-10	0.00E+00	0.00E+00	0.00E+00	1.00E-10
1322	380853.9	3735818.46	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09	1.59E-10	0.00E+00	0.00E+00	0.00E+00	1.59E-10	1.05E-10	0.00E+00	0.00E+00	0.00E+00	1.05E-10
1323	380883.9	3735818.46	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.08E-09	1.67E-10	0.00E+00	0.00E+00	0.00E+00	1.67E-10	1.11E-10	0.00E+00	0.00E+00	0.00E+00	1.11E-10
1324	380913.9	3735818.46	1.13E-09	0.00E+00	0.00E+00	0.00E+00	1.13E-09	1.74E-10	0.00E+00	0.00E+00	0.00E+00	1.74E-10	1.16E-10	0.00E+00	0.00E+00	0.00E+00	1.16E-10
1325	380733.9	3735848.46	9.09E-10	0.00E+00	0.00E+00	0.00E+00	9.09E-10	1.40E-10	0.00E+00	0.00E+00	0.00E+00	1.40E-10	9.31E-11	0.00E+00	0.00E+00	0.00E+00	9.31E-11
1326	380763.9	3735848.46	9.72E-10	0.00E+00	0.00E+00	0.00E+00	9.72E-10	1.50E-10	0.00E+00	0.00E+00	0.00E+00	1.50E-10	9.96E-11	0.00E+00	0.00E+00	0.00E+00	9.96E-11
1327	380793.9	3735848.46	1.04E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.60E-10	0.00E+00	0.00E+00	0.00E+00	1.60E-10	1.06E-10	0.00E+00	0.00E+00	0.00E+00	1.06E-10
1328	380823.9	3735848.46	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09	1.70E-10	0.00E+00	0.00E+00	0.00E+00	1.70E-10	1.13E-10	0.00E+00	0.00E+00	0.00E+00	1.13E-10
1329	380853.9	3735848.46	1.16E-09	0.00E+00	0.00E+00	0.00E+00	1.16E-09	1.79E-10	0.00E+00	0.00E+00	0.00E+00	1.79E-10	1.19E-10	0.00E+00	0.00E+00	0.00E+00	1.19E-10
1330	380883.9	3735848.46	1.22E-09	0.00E+00	0.00E+00	0.00E+00	1.22E-09	1.89E-10	0.00E+00	0.00E+00	0.00E+00	1.89E-10	1.25E-10	0.00E+00	0.00E+00	0.00E+00	1.25E-10
1331	380913.9	3735848.46	1.28E-09	0.00E+00	0.00E+00	0.00E+00	1.28E-09	1.98E-10	0.00E+00	0.00E+00	0.00E+00	1.98E-10	1.31E-10	0.00E+00	0.00E+00	0.00E+00	1.31E-10
1332	380793.9	3735878.46	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09	1.81E-10	0.00E+00	0.00E+00	0.00E+00	1.81E-10	1.20E-10	0.00E+00	0.00E+00	0.00E+00	1.20E-10
1333	380823.9	3735878.46	1.25E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-09	1.93E-10	0.00E+00	0.00E+00	0.00E+00	1.93E-10	1.28E-10	0.00E+00	0.00E+00	0.00E+00	1.28E-10
1334	380853.9	3735878.46	1.33E-09	0.00E+00	0.00E+00	0.00E+00	1.33E-09	2.04E-10	0.00E+00	0.00E+00	0.00E+00	2.04E-10	1.36E-10	0.00E+00	0.00E+00	0.00E+00	1.36E-10
1335	380883.9	3735878.46	1.40E-09	0.00E+00	0.00E+00	0.00E+00	1.40E-09	2.15E-10	0.00E+00	0.00E+00	0.00E+00	2.15E-10	1.43E-10	0.00E+00	0.00E+00	0.00E+00	1.43E-10
1336	380913.9	3735878.46	1.47E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-09	2.26E-10	0.00E+00	0.00E+00	0.00E+00	2.26E-10	1.50E-10	0.00E+00	0.00E+00	0.00E+00	1.50E-10
1337	380853.9	3735908.46	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.53E-09	2.36E-10	0.00E+00	0.00E+00	0.00E+00	2.36E-10	1.57E-10	0.00E+00	0.00E+00	0.00E+00	1.57E-10
1338	380883.9	3735908.46	1.62E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-09	2.49E-10	0.00E+00	0.00E+00	0.00E+00	2.49E-10	1.66E-10	0.00E+00	0.00E+00	0.00E+00	1.66E-10
1339	380913.9	3735908.46	1.70E-09	0.00E+00	0.00E+00	0.00E+00	1.70E-09	2.63E-10	0.00E+00	0.00E+00	0.00E+00	2.63E-10	1.75E-10	0.00E+00	0.00E+00	0.00E+00	1.75E-10
1340	380913.9	3735938.46	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09	3.09E-10	0.00E+00	0.00E+00	0.00E+00	3.09E-10	2.05E-10	0.00E+00	0.00E+00	0.00E+00	2.05E-10
1341	380583.9	3735998.46	1.11E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-09	1.71E-10	0.00E+00	0.00E+00	0.00E+00	1.71E-10	1.13E-10	0.00E+00	0.00E+00	0.00E+00	1.13E-10
1342	380583.9	3736028.46	1.27E-09	0.00E+00	0.00E+00	0.00E+00	1.27E-09	1.96E-10	0.00E+00	0.00E+00	0.00E+00	1.96E-10	1.30E-10	0.00E+00	0.00E+00	0.00E+00	1.30E-10
1343	380613.9	3736028.46	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-09	2.19E-10	0.00E+00	0.00E+00	0.00E+00	2.19E-10	1.45E-10	0.00E+00	0.00E+00	0.00E+00	1.45E-10
1344	380583.9	3736058.46	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09	2.27E-10	0.00E+00	0.00E+00	0.00E+00	2.27E-10	1.51E-10	0.00E+00	0.00E+00	0.00E+00	1.51E-10
1345	380613.9	3736058.46	1.67E-09	0.00E+00	0.00E+00	0.00E+00	1.67E-09	2.58E-10	0.00E+00	0.00E+00	0.00E+00	2.58E-10	1.71E-10	0.00E+00	0.00E+00	0.00E+00	1.71E-10
1346	380643.9	3736058.46	1.91E-09	0.00E+00	0.00E+00	0.00E+00	1.91E-09	2.95E-10	0.00E+00	0.00E+00	0.00E+00	2.95E-10	1.96E-10	0.00E+00	0.00E+00	0.00E+00	1.96E-10
1347	380583.9	3736088.46	1.74E-09	0.00E+00	0.00E+00	0.00E+00	1.74E-09	2.68E-10	0.00E+00	0.00E+00	0.00E+00	2.68E-10	1.78E-10	0.00E+00	0.00E+00	0.00E+00	1.78E-10
1348	380613.9	3736088.46	2.01E-09	0.00E+00	0.00E+00	0.00E+00	2.01E-09	3.11E-10	0.00E+00	0.00E+00	0.00E+00	3.11E-10	2.06E-10	0.00E+00	0.00E+00	0.00E+00	2.06E-10
1349	380643.9	3736088.46	2.37E-09	0.00E+00	0.00E+00	0.00E+00	2.37E-09	3.65E-10	0.00E+00	0.00E+00	0.00E+00	3.65E-10	2.43E-10	0.00E+00	0.00E+00	0.00E+00	2.43E-10
1350	380673.9	3736088.46	2.81E-09	0.00E+00	0.00E+00	0.00E+00	2.81E-09	4.32E-10	0.00E+00	0.00E+00	0.00E+00	4.32E-10	2.87E-10	0.00E+00	0.00E+00	0.00E+00	2.87E-10
1351	380733.9	3736088.46	3.77E-09	0.00E+00	0.00E+00	0.00E+00	3.77E-09	5.81E-10	0.00E+00	0.00E+00	0.00E+00	5.81E-10	3.86E-10	0.00E+00	0.00E+00	0.00E+00	3.86E-10
1352	380763.9	3736088.46	4.25E-09	0.00E+00	0.00E+00	0.00E+00	4.25E-09	6.55E-10	0.00E+00	0.00E+00	0.00E+00	6.55E-10	4.35E-10	0.00E+00	0.00E+00	0.00E+00	4.35E-10
1353	380793.9	3736088.46	4.71E-09	0.00E+00	0.00E+00	0.00E+00	4.71E-09	7.26E-10	0.00E+00	0.00E+00	0.00E+00	7.26E-10	4.83E-10	0.00E+00	0.00E+00	0.00E+00	4.83E-10
1354	380823.9	3736088.46	5.13E-09	0.00E+00	0.00E+00	0.00E+00	5.13E-09	7.90E-10	0.00E+00	0.00E+00	0.00E+00	7.90E-10	5.25E-10	0.00E+00	0.00E+00	0.00E+00	5.25E-10
1355	380853.9	3736088.46	5.48E-09	0.00E+00	0.00E+00	0.00E+00	5.48E-09	8.44E-10	0.00E+00	0.00E+00	0.00E+00	8.44E-10	5.61E-10	0.00E+00	0.00E+00	0.00E+00	5.61E-10
1356	380613.9	3736118.46	2.49E-09	0.00E+00	0.00E+00	0.00E+00	2.49E-09	3.84E-10	0.00E+00	0.00E+00	0.00E+00	3.84E-10	2.55E-10	0.00E+00	0.00E+00	0.00E+00	2.55E-10
1357	380643.9	3736118.46	3.07E-09	0.00E+00	0.00E+00	0.00E+00	3.07E-09	4.73E-10	0.00E+00	0.00E+00	0.00E+00	4.73E-10	3.14E-10	0.00E+00	0.00E+00	0.00E+00	3.14E-10
1358	380673.9	3736118.46	3.82E-09	0.00E+00	0.00E+00	0.00E+00	3.82E-09	5.89E-10	0.00E+00	0.00E+00	0.00E+00	5.89E-10	3.92E-10	0.00E+00	0.00E+00	0.00E+00	3.92E-10
1359	380763.9	3736118.46	6.12E-09	0.00E+00	0.00E+00	0.00E+00	6.12E-09	9.44E-10	0.00E+00	0.00E+00	0.00E+00	9.44E-10	6.27E-10	0.00E+00	0.00E+00	0.00E+00	6.27E-10
1360	380793.9	3736118.46	6.70E-09	0.00E+00	0.00E+00	0.00E+00	6.70E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09	6.86E-10	0.00E+00	0.00E+00	0.00E+00	6.86E-10
1361	380823.9	3736118.46	7.13E-09	0.00E+00	0.00E+00	0.00E+00	7.13E-09	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.10E-09	7.31E-10	0.00E+00	0.00E+00	0.00E+00	7.31E-10
1362	380853.9	3736118.46	7.45E-09	0.00E+00	0.00E+00	0.00E+00	7.45E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	1.15E-09	7.63E-10	0.00E+00	0.00E+00	0.00E+00	7.63E-10
1363	380883.9	3736118.46	7.66E-09	0.00E+00	0.00E+00	0.00E+00	7.66E-09	1.18E-09	0.00E+00	0.00E+00	0.00E+00	1.18E-09	7.84E-10	0.00E+00	0.00E+00	0.00E+00	7.84E-10
1364	380913.9	3736118.46	7.78E-09	0.00E+00	0.00E+00	0.00E+00	7.78E-09	1.20E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-09	7.97E-10	0.00E+00	0.00E+00	0.00E+00	7.97E-10
1365	380643.9	3736148.46	4.27E-09	0.00E+00	0.00E+00	0.00E+00	4.27E-09	6.58E-10	0.00E+00	0.00E+00	0.00E+00	6.58E-10	4.37E-10	0.00E+00	0.00E+00	0.00E+00	4.37E-10
1366	380673.9	3736148.46	5.92E-09	0.00E+00	0.00E+00	0.00E+00	5.92E-09	9.12E-10	0.00E+00	0.00E+00	0.00E+00	9.12E-10	6.06E-10	0.00E+00	0.00E+00	0.00E+00	6.06E-10
1367	380703.9	3736148.46	7.60E-09	0.00E+00	0.00E+00	0.00E+00	7.60E-09	1.17E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-09	7.78E-10	0.00E+00	0.00E+00	0.00E+00	7.78E-10
1368	380793.9	3736148.46	1.00E-08	0.00E+00	0.00E+00	0.00E+00	1.00E-08	1.54E-09	0.00E+00	0.00E+00	0.00E+00	1.54E-09	1.03E-09	0.00E+00	0.00E+00	0.00E+00	1.03E-09
1369	380823.9	3736148.46	1.02E-08	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.58E-09	0.00E+00	0.00E+00	0.00E+00	1.58E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-09
1370	380853.9	3736148.46	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
1371	380883.9	3736148.46	1.04E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.60E-09	0.00E+00	0.00E+00	0.00E+00	1.60E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
1372	380913.9	3736148.46	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.59E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-09	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.06E-09
1373	380703.9	3736178.46	1.72E-08	0.00E+00	0.00E+00	0.00E+00	1.72E-08	2.66E-09	0.00E+00	0.00E+00	0.00E+00	2.66E-09	1.77E-09	0.00E+00	0.00E+00	0.00E+00	1.77E-09
1374	380733.9	3736178.46	1.81E-08	0.00E+00	0.00E+00	0.00E+00	1.81E-08	2.78E-09	0.00E+00	0.00E+00	0.00E+00	2.78E-09	1.85E-09	0.00E+00	0.00E+00	0.00E+00	1.85E-09
1375	380823.9	3736178.46	1.48E-08	0.00E+00	0.00E+00	0.00E+00	1.48E-08	2.29E-09	0.00E+00	0.00E+00	0.00E+00	2.29E-09	1.52E-09	0.00E+00	0.00E+00	0.00E+00	1.52E-09
1376	380853.9	3736178.46	1.44E-08	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.23E-09	0.00E+00	0.00E+00	0.00E+00	2.23E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00	1.48E-09
1377	380883.9	3736178.46	1.42E-08	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.18E-09	0.00E+00	0.00E+00	0.00E+00	2.18E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.45E-09
1378	380913.9	3736178.46	1.40E-08	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.15E-09	0.00E+00	0.00E+00	0.00E+00	2.15E-09	1.43E-09	0.00E+00	0.00E+00	0.00E+00	1.43E-09
1379	380733.9	3736208.46	4.10E-08	0.00E+00	0.00E+00	0.00E+00	4.10E-08	6.31E-09	0.00E+00	0.00E+00	0.00E+00	6.31E-09	4.19E-09	0.00E+00	0.00E+00	0.00E+00	4.19E-09
1380	380763.9	3736208.46	3.03E-08	0.00E+00	0.00E+00	0.00E+00	3.03E-08	4.67E-09	0.00E+00	0.00E+00	0.00E+00	4.67E-09	3.10E-09	0.00E+00	0.00E+00	0.00E+00	3.10E-09
1381	380853.9	3736208.46	2.06E-08	0.00E+00	0.00E+00	0.00E+00	2.06E-08	3.18E-09	0.00E+00	0.00E+00	0.00E+00	3.18E-09	2.11E-09	0.00E+00	0.00E+00	0.00E+00	2.11E-09
1382	380883.9	3736208.46	2.00E-08	0.00E+00	0.00E+00	0.00E+00	2.00E-08	3.08E-09	0.00E+00	0.00E+00	0.00E+00	3.08E-09	2.04E-09	0.00E+00	0.00E+00	0.00E+00	2.04E-09
1383	380913.9	3736208.46	1.96E-08	0.00E+00	0.00E+00	0.00E+00	1.96E-08	3.02E-09	0.00E+00	0.00E+00	0.00E+00	3.02E-09	2.00E-09	0.00E+00	0.00E+00	0.00E+00	2.00E-09
1384	380583.9	3736238.46	3.41E-09	0.00E+00	0.00E+00	0.00E+00	3.41E-09	5.25E-10	0.00E+00	0.00E+00	0.00E+00	5.25E-10	3.49E-10	0.00E+00	0.00E+00	0.00E+00	3.49E-10
1385	380763.9	3736238.46	5.74E-08	0.00E+00	0.00E+00	0.00E+00	5.74E-08	8.84E-09	0.00E+00	0.00E+00	0.00E+00	8.84E-09	5.88E-09	0.00E+00	0.00E+00	0.00E+00	5.88E-09
1386	380793.9	3736238.46	3.81E-08	0.00E+00	0.00E+00	0.00E+00	3.81E-08	5.87E-09	0.00E+00	0.00E+00	0.00E+00	5.87E-09	3.90E-09	0.00E+00	0.00E+00	0.00E+00	3.90E-09
1387	380883.9	3736238.46	3.08E-08	0.00E+00	0.00E+00	0.00E+00	3.08E-08	4.74E-09	0.00E+00	0.00E+00	0.00E+00	4.74E-09	3.15E-09	0.00E+00	0.00E+00	0.00E+00	3.15E-09

1388	380913.9	3736238.46	2.99E-08	0.00E+00	0.00E+00	0.00E+00	2.99E-08	4.62E-09	0.00E+00	0.00E+00	0.00E+00	4.62E-09	3.07E-09	0.00E+00	0.00E+00	0.00E+00	3.07E-09
1389	380370	3735775.82	3.76E-10	0.00E+00	0.00E+00	0.00E+00	3.76E-10	5.80E-11	0.00E+00	0.00E+00	0.00E+00	5.80E-11	3.85E-11	0.00E+00	0.00E+00	0.00E+00	3.85E-11
1390	380377.99	3735692.75	3.24E-10	0.00E+00	0.00E+00	0.00E+00	3.24E-10	5.00E-11	0.00E+00	0.00E+00	0.00E+00	5.00E-11	3.32E-11	0.00E+00	0.00E+00	0.00E+00	3.32E-11
1391	380376.39	3735651.22	3.02E-10	0.00E+00	0.00E+00	0.00E+00	3.02E-10	4.65E-11	0.00E+00	0.00E+00	0.00E+00	4.65E-11	3.09E-11	0.00E+00	0.00E+00	0.00E+00	3.09E-11
1392	380346.04	3735641.64	2.88E-10	0.00E+00	0.00E+00	0.00E+00	2.88E-10	4.44E-11	0.00E+00	0.00E+00	0.00E+00	4.44E-11	2.95E-11	0.00E+00	0.00E+00	0.00E+00	2.95E-11
1393	380341.25	3735686.37	3.08E-10	0.00E+00	0.00E+00	0.00E+00	3.08E-10	4.75E-11	0.00E+00	0.00E+00	0.00E+00	4.75E-11	3.16E-11	0.00E+00	0.00E+00	0.00E+00	3.16E-11
1394	380339.65	3735743.87	3.41E-10	0.00E+00	0.00E+00	0.00E+00	3.41E-10	5.25E-11	0.00E+00	0.00E+00	0.00E+00	5.25E-11	3.49E-11	0.00E+00	0.00E+00	0.00E+00	3.49E-11
1395	380334.86	3735783.81	3.66E-10	0.00E+00	0.00E+00	0.00E+00	3.66E-10	5.64E-11	0.00E+00	0.00E+00	0.00E+00	5.64E-11	3.75E-11	0.00E+00	0.00E+00	0.00E+00	3.75E-11
1396	380342.85	3735842.91	4.17E-10	0.00E+00	0.00E+00	0.00E+00	4.17E-10	6.42E-11	0.00E+00	0.00E+00	0.00E+00	6.42E-11	4.27E-11	0.00E+00	0.00E+00	0.00E+00	4.27E-11
1397	380339.65	3735908.41	4.79E-10	0.00E+00	0.00E+00	0.00E+00	4.79E-10	7.37E-11	0.00E+00	0.00E+00	0.00E+00	7.37E-11	4.90E-11	0.00E+00	0.00E+00	0.00E+00	4.90E-11
1398	380291.38	3735847.16	3.90E-10	0.00E+00	0.00E+00	0.00E+00	3.90E-10	6.01E-11	0.00E+00	0.00E+00	0.00E+00	6.01E-11	4.00E-11	0.00E+00	0.00E+00	0.00E+00	4.00E-11
1399	380266.94	3735845.8	3.76E-10	0.00E+00	0.00E+00	0.00E+00	3.76E-10	5.80E-11	0.00E+00	0.00E+00	0.00E+00	5.80E-11	3.85E-11	0.00E+00	0.00E+00	0.00E+00	3.85E-11
1400	380239.78	3735845.8	3.62E-10	0.00E+00	0.00E+00	0.00E+00	3.62E-10	5.58E-11	0.00E+00	0.00E+00	0.00E+00	5.58E-11	3.71E-11	0.00E+00	0.00E+00	0.00E+00	3.71E-11
1401	380215.34	3735844.45	3.49E-10	0.00E+00	0.00E+00	0.00E+00	3.49E-10	5.39E-11	0.00E+00	0.00E+00	0.00E+00	5.39E-11	3.58E-11	0.00E+00	0.00E+00	0.00E+00	3.58E-11
1402	380212.62	3735791.49	3.19E-10	0.00E+00	0.00E+00	0.00E+00	3.19E-10	4.92E-11	0.00E+00	0.00E+00	0.00E+00	4.92E-11	3.27E-11	0.00E+00	0.00E+00	0.00E+00	3.27E-11
1403	380242.5	3735787.42	3.29E-10	0.00E+00	0.00E+00	0.00E+00	3.29E-10	5.07E-11	0.00E+00	0.00E+00	0.00E+00	5.07E-11	3.37E-11	0.00E+00	0.00E+00	0.00E+00	3.37E-11
1404	380271.01	3735787.42	3.40E-10	0.00E+00	0.00E+00	0.00E+00	3.40E-10	5.24E-11	0.00E+00	0.00E+00	0.00E+00	5.24E-11	3.48E-11	0.00E+00	0.00E+00	0.00E+00	3.48E-11
1405	380288.66	3735784.7	3.46E-10	0.00E+00	0.00E+00	0.00E+00	3.46E-10	5.33E-11	0.00E+00	0.00E+00	0.00E+00	5.33E-11	3.54E-11	0.00E+00	0.00E+00	0.00E+00	3.54E-11
1406	380292.74	3735741.25	3.22E-10	0.00E+00	0.00E+00	0.00E+00	3.22E-10	4.96E-11	0.00E+00	0.00E+00	0.00E+00	4.96E-11	3.30E-11	0.00E+00	0.00E+00	0.00E+00	3.30E-11
1407	380275.08	3735741.25	3.15E-10	0.00E+00	0.00E+00	0.00E+00	3.15E-10	4.86E-11	0.00E+00	0.00E+00	0.00E+00	4.86E-11	3.23E-11	0.00E+00	0.00E+00	0.00E+00	3.23E-11
1408	380253.36	3735741.25	3.08E-10	0.00E+00	0.00E+00	0.00E+00	3.08E-10	4.75E-11	0.00E+00	0.00E+00	0.00E+00	4.75E-11	3.16E-11	0.00E+00	0.00E+00	0.00E+00	3.16E-11
1409	380232.99	3735741.25	3.02E-10	0.00E+00	0.00E+00	0.00E+00	3.02E-10	4.65E-11	0.00E+00	0.00E+00	0.00E+00	4.65E-11	3.09E-11	0.00E+00	0.00E+00	0.00E+00	3.09E-11
1410	380212.62	3735742.61	2.96E-10	0.00E+00	0.00E+00	0.00E+00	2.96E-10	4.56E-11	0.00E+00	0.00E+00	0.00E+00	4.56E-11	3.03E-11	0.00E+00	0.00E+00	0.00E+00	3.03E-11
1411	380285.95	3735692.36	2.94E-10	0.00E+00	0.00E+00	0.00E+00	2.94E-10	4.54E-11	0.00E+00	0.00E+00	0.00E+00	4.54E-11	3.01E-11	0.00E+00	0.00E+00	0.00E+00	3.01E-11
1412	380261.51	3735684.22	2.84E-10	0.00E+00	0.00E+00	0.00E+00	2.84E-10	4.37E-11	0.00E+00	0.00E+00	0.00E+00	4.37E-11	2.90E-11	0.00E+00	0.00E+00	0.00E+00	2.90E-11
1413	380230.27	3735686.93	2.76E-10	0.00E+00	0.00E+00	0.00E+00	2.76E-10	4.26E-11	0.00E+00	0.00E+00	0.00E+00	4.26E-11	2.83E-11	0.00E+00	0.00E+00	0.00E+00	2.83E-11
1414	380190.9	3735685.57	2.66E-10	0.00E+00	0.00E+00	0.00E+00	2.66E-10	4.10E-11	0.00E+00	0.00E+00	0.00E+00	4.10E-11	2.72E-11	0.00E+00	0.00E+00	0.00E+00	2.72E-11
1415	380273.73	3735642.12	2.69E-10	0.00E+00	0.00E+00	0.00E+00	2.69E-10	4.15E-11	0.00E+00	0.00E+00	0.00E+00	4.15E-11	2.76E-11	0.00E+00	0.00E+00	0.00E+00	2.76E-11
1416	380241.14	3735644.84	2.62E-10	0.00E+00	0.00E+00	0.00E+00	2.62E-10	4.04E-11	0.00E+00	0.00E+00	0.00E+00	4.04E-11	2.69E-11	0.00E+00	0.00E+00	0.00E+00	2.69E-11
1417	380211.26	3735646.2	2.56E-10	0.00E+00	0.00E+00	0.00E+00	2.56E-10	3.95E-11	0.00E+00	0.00E+00	0.00E+00	3.95E-11	2.62E-11	0.00E+00	0.00E+00	0.00E+00	2.62E-11
1418	380188.18	3735642.12	2.50E-10	0.00E+00	0.00E+00	0.00E+00	2.50E-10	3.85E-11	0.00E+00	0.00E+00	0.00E+00	3.85E-11	2.56E-11	0.00E+00	0.00E+00	0.00E+00	2.56E-11
1419	380355.2	3735583.73	2.66E-10	0.00E+00	0.00E+00	0.00E+00	2.66E-10	4.10E-11	0.00E+00	0.00E+00	0.00E+00	4.10E-11	2.72E-11	0.00E+00	0.00E+00	0.00E+00	2.72E-11
1420	380340.26	3735566.08	2.56E-10	0.00E+00	0.00E+00	0.00E+00	2.56E-10	3.94E-11	0.00E+00	0.00E+00	0.00E+00	3.94E-11	2.62E-11	0.00E+00	0.00E+00	0.00E+00	2.62E-11
1421	380332.11	3735544.36	2.47E-10	0.00E+00	0.00E+00	0.00E+00	2.47E-10	3.80E-11	0.00E+00	0.00E+00	0.00E+00	3.80E-11	2.53E-11	0.00E+00	0.00E+00	0.00E+00	2.53E-11
1422	380292.74	3735529.42	2.34E-10	0.00E+00	0.00E+00	0.00E+00	2.34E-10	3.61E-11	0.00E+00	0.00E+00	0.00E+00	3.61E-11	2.40E-11	0.00E+00	0.00E+00	0.00E+00	2.40E-11
1423	380241.14	3735579.66	2.40E-10	0.00E+00	0.00E+00	0.00E+00	2.40E-10	3.70E-11	0.00E+00	0.00E+00	0.00E+00	3.70E-11	2.46E-11	0.00E+00	0.00E+00	0.00E+00	2.46E-11
1424	380215.34	3735579.66	2.35E-10	0.00E+00	0.00E+00	0.00E+00	2.35E-10	3.62E-11	0.00E+00	0.00E+00	0.00E+00	3.62E-11	2.41E-11	0.00E+00	0.00E+00	0.00E+00	2.41E-11
1425	380185.46	3735576.94	2.28E-10	0.00E+00	0.00E+00	0.00E+00	2.28E-10	3.51E-11	0.00E+00	0.00E+00	0.00E+00	3.51E-11	2.33E-11	0.00E+00	0.00E+00	0.00E+00	2.33E-11
1426	380156.95	3735579.66	2.24E-10	0.00E+00	0.00E+00	0.00E+00	2.24E-10	3.45E-11	0.00E+00	0.00E+00	0.00E+00	3.45E-11	2.29E-11	0.00E+00	0.00E+00	0.00E+00	2.29E-11
1427	380226.2	3735536.21	2.22E-10	0.00E+00	0.00E+00	0.00E+00	2.22E-10	3.42E-11	0.00E+00	0.00E+00	0.00E+00	3.42E-11	2.27E-11	0.00E+00	0.00E+00	0.00E+00	2.27E-11
1428	380200.4	3735536.21	2.18E-10	0.00E+00	0.00E+00	0.00E+00	2.18E-10	3.35E-11	0.00E+00	0.00E+00	0.00E+00	3.35E-11	2.23E-11	0.00E+00	0.00E+00	0.00E+00	2.23E-11
1429	380166.45	3735538.92	2.13E-10	0.00E+00	0.00E+00	0.00E+00	2.13E-10	3.29E-11	0.00E+00	0.00E+00	0.00E+00	3.29E-11	2.19E-11	0.00E+00	0.00E+00	0.00E+00	2.19E-11
1430	380146.09	3735538.92	2.11E-10	0.00E+00	0.00E+00	0.00E+00	2.11E-10	3.25E-11	0.00E+00	0.00E+00	0.00E+00	3.25E-11	2.16E-11	0.00E+00	0.00E+00	0.00E+00	2.16E-11
1431	380552.48	3735507.98	2.97E-10	0.00E+00	0.00E+00	0.00E+00	2.97E-10	4.57E-11	0.00E+00	0.00E+00	0.00E+00	4.57E-11	3.04E-11	0.00E+00	0.00E+00	0.00E+00	3.04E-11
1432	380702.53	3735607.24	4.35E-10	0.00E+00	0.00E+00	0.00E+00	4.35E-10	6.71E-11	0.00E+00	0.00E+00	0.00E+00	6.71E-11	4.46E-11	0.00E+00	0.00E+00	0.00E+00	4.46E-11
1433	380704.84	3735580.7	4.14E-10	0.00E+00	0.00E+00	0.00E+00	4.14E-10	6.38E-11	0.00E+00	0.00E+00	0.00E+00	6.38E-11	4.24E-11	0.00E+00	0.00E+00	0.00E+00	4.24E-11
1434	380705.99	3735554.15	3.93E-10	0.00E+00	0.00E+00	0.00E+00	3.93E-10	6.06E-11	0.00E+00	0.00E+00	0.00E+00	6.06E-11	4.03E-11	0.00E+00	0.00E+00	0.00E+00	4.03E-11
1435	380714.07	3735521.83	3.74E-10	0.00E+00	0.00E+00	0.00E+00	3.74E-10	5.77E-11	0.00E+00	0.00E+00	0.00E+00	5.77E-11	3.84E-11	0.00E+00	0.00E+00	0.00E+00	3.84E-11
1436	380731.39	3735614.17	4.62E-10	0.00E+00	0.00E+00	0.00E+00	4.62E-10	7.11E-11	0.00E+00	0.00E+00	0.00E+00	7.11E-11	4.73E-11	0.00E+00	0.00E+00	0.00E+00	4.73E-11
1437	380732.54	3735600.32	4.49E-10	0.00E+00	0.00E+00	0.00E+00	4.49E-10	6.91E-11	0.00E+00	0.00E+00	0.00E+00	6.91E-11	4.59E-11	0.00E+00	0.00E+00	0.00E+00	4.59E-11
1438	380733.7	3735577.23	4.28E-10	0.00E+00	0.00E+00	0.00E+00	4.28E-10	6.60E-11	0.00E+00	0.00E+00	0.00E+00	6.60E-11	4.38E-11	0.00E+00	0.00E+00	0.00E+00	4.38E-11
1439	380734.85	3735552.99	4.08E-10	0.00E+00	0.00E+00	0.00E+00	4.08E-10	6.29E-11	0.00E+00	0.00E+00	0.00E+00	6.29E-11	4.18E-11	0.00E+00	0.00E+00	0.00E+00	4.18E-11
1440	380739.47	3735522.98	3.88E-10	0.00E+00	0.00E+00	0.00E+00	3.88E-10	5.98E-11	0.00E+00	0.00E+00	0.00E+00	5.98E-11	3.97E-11	0.00E+00	0.00E+00	0.00E+00	3.97E-11
1441	380763.71	3735614.17	4.84E-10	0.00E+00	0.00E+00	0.00E+00	4.84E-10	7.47E-11	0.00E+00	0.00E+00	0.00E+00	7.47E-11	4.96E-11	0.00E+00	0.00E+00	0.00E+00	4.96E-11
1442	380762.55	3735594.55	4.63E-10	0.00E+00	0.00E+00	0.00E+00	4.63E-10	7.13E-11	0.00E+00	0.00E+00	0.00E+00	7.13E-11	4.74E-11	0.00E+00	0.00E+00	0.00E+00	4.74E-11
1443	380760.24	3735566.85	4.35E-10	0.00E+00	0.00E+00	0.00E+00	4.35E-10	6.70E-11	0.00E+00	0.00E+00	0.00E+00	6.70E-11	4.45E-11	0.00E+00	0.00E+00	0.00E+00	4.45E-11
1444	380762.55	3735514.9	3.93E-10	0.00E+00	0.00E+00	0.00E+00	3.93E-10	6.06E-11	0.00E+00	0.00E+00	0.00E+00	6.06E-11	4.03E-11	0.00E+00	0.00E+00	0.00E+00	4.03E-11
1445	380762.55	3735490.67	3.76E-10	0.00E+00	0.00E+00	0.00E+00	3.76E-10	5.80E-11	0.00E+00	0.00E+00	0.00E+00	5.80E-11	3.85E-11	0.00E+00	0.00E+00	0.00E+00	3.85E-11
1446	380794.87	3735611.86	5.04E-10	0.00E+00	0.00E+00	0.00E+00	5.04E-10	7.77E-11	0.00E+00	0.00E+00	0.00E+00	7.77E-11	5.16E-11	0.00E+00	0.00E+00	0.00E+00	5.16E-11
1447	380794.87	3735583	4.72E-10	0.00E+00	0.00E+00	0.00E+00	4.72E-10	7.27E-11	0.00E+00	0.00E+00	0.00E+00	7.27E-11	4.83E-11	0.00E+00	0.00E+00	0.00E+00	4.83E-11
1448	380790.25	3735558.77	4.45E-10	0.00E+00	0.00E+00	0.00E+00	4.45E-10	6.86E-11	0.00E+00	0.00E+00	0.00E+00	6.86E-11	4.56E-11	0.00E+00	0.00E+00	0.00E+00	4.56E-11
1449	380798.33	3735532.22	4.26E-10	0.00E+00	0.00E+00	0.00E+00	4.26E-10	6.56E-11	0.00E+00	0.00E+00	0.00E+00	6.56E-11	4.36E-11	0.00E+00	0.00E+00	0.00E+00	4.36E-11
1450	380793.72	3735509.13	4.04E-10	0.00E+00	0.00E+00	0.00E+00	4.04E-10	6.23E-11	0.00E+00	0.00E+00	0.00E+00	6.23E-11	4.14E-11	0.00E+00	0.00E+00	0.00E+00	4.14E-11
1451	380793.72	3735484.89	3.86E-10	0.00E+00	0.00E+00	0.00E+00	3.86E-10	5.96E-11	0.00E+00	0.00E+00	0.00E+00	5.96E-11	3.96E-11	0.00E+00	0.00E+00	0.00E+00	3.96E-11
1452	380828.34	3735615.32	5.32E-10	0.00E+00	0.00E+00	0.00E+00	5.32E-10	8.20E-11	0.00E+00	0.00E+00	0.00E+00	8.20E-11	5.45E-11	0.00E+00	0.00E+00	0.00E+00	5.45E-11
1453	380854.89	3735613.01	5.48E-10	0.00E+00	0.00E+00	0.00E+00	5.48E-10	8.44E-11	0.00E+00	0.00E+00	0.00E+00	8.44E-11	5.61E-11	0.00E+00	0.00E+00	0.00E+00	5.61E-11
1454	380886.06	3735613.01	5.70E-10	0.00E+00	0.00E+00	0.00E+00	5.70E-10	8.78E-11	0.00E+00	0.00E+00	0.00E+00	8.78E-11	5.84E-11	0.00E+00	0.00E+00	0.00E+00	5.84E-11
1455	380910.3	3735614.17	5.88E-10	0.00E+00	0.00E+00	0.00E+00	5.88E-10	9.06E-11	0.00E+00	0.00E+00	0.00E+00	9.06E-11	6.02E-11	0.00E+00	0.00E+00	0.00E+00	6.02E-11
1456	380831.81	3735574.92	4.86E-10	0.00E+00	0.00E+00	0.00E+00	4.86E-10	7.50E-11	0.00E+00	0.00E+00	0.00E+00	7.50E-11	4.98E-11	0.00E+00	0.00E+00	0.00E+00	4.98E-11
1457	380857.2	3735576.08	5.03E-10	0.00E+00	0.00E+00	0.00E+00	5.03E-10	7.76E-11	0.00E+00	0.00E+00	0.00E+00	7.76E-11	5.15E-11	0.00E+00	0.00E+00	0.00E+00	5.15E-11
1458	380888.36	3735580.7	5.28E-10	0.00E+00	0.00E+00	0.00E+00	5.28E-10	8.14E-11	0.00E+00	0.00E+00	0.00E+00	8.14E-11	5.41E-11	0.00E+00	0.00E+00	0.00E+00	5.41E-11
1459	380909.14	3735584.16	5.45E-10	0.00E+00	0.00E+00	0.00E+00	5.45E-10	8.41E-11	0.00E+00	0.00E+00	0.00E+00	8.41E-11	5.59E-11	0.00E+00	0.00E+00	0.00E+00	5.59E-11
1460	380829.5	3735544.91	4.54E-10	0.00E+00	0.00E+00	0.00E+00	4.54E-10	7.00E-11	0.00E+00	0.00E+00	0.00E+00	7.00E-11	4.65E-11	0.00E+00	0.00E+00	0.00E+00	4.65E-11
1461	380857.2	3735546.07	4.71E-10	0.00E+00	0.00E+00	0.00E+00	4.71E-10	7.26E-11	0.00E+00	0.00E+00	0.00E+00	7.26E-11	4.82E-11	0.00E+00	0.00E+00	0.00E+00	4.82E-11
1462	380884.9	3735540.3	4.80E-10	0.00E+00	0.00E+00	0.00E+00	4.80E-10	7.40E-11	0.00E+00	0.00E+00	0.00E+00	7.40E-11	4.92E-11	0.00E+00	0.00E+00	0.00E+00	4.92E-11
1463	380917.22	3735547.22	5.05E-10	0.00E+00	0.00E+00	0.00E+00	5.05E-10	7.78E-11	0.00E+00	0.00E+00	0.00E+00	7.78E-11	5.17E-11	0.00E+00	0.00E+00	0.00E+00	5.17E-11
1464	380827.19	3735507.98	4.20E-10	0.00E+00	0.00E+00	0.00E+00	4.20E-10	6.48E-11	0.00E+00	0.00E+00	0.00E+00	6.48E-11	4.30E-11	0.00E+00	0.00E+00	0.00E+00	4.30E-11
1465	380864.13	3735512.6	4.39E-10	0.00E+00	0.00E+00	0.00E+00	4.39E-10	6.77E-11	0.00E+00	0.00E+00	0.00E+00	6.77E-11	4.50E-11	0.00E+00	0.00E+00	0.00E+00	4.50E-11
1466	380890.67	3735518.37	4.61E-10	0.00E+00	0.00E+00	0.00E+00	4.61E-10	7.10E-11	0.00E+00	0.00E+00	0.00E+00	7.10E-11	4.72E-11	0.00E+00	0.00E+00	0.00E+00	4.72E-11
1467	380920.68	3735511.44	4.69E-10	0.00E+00	0.00E+00	0.00E+00	4.69E-10	7.23E-11	0.00E+00	0.00E+00	0.00E+00	7.23E-11	4.80E-11	0.00E+00	0.00E+00	0.00E+00	4.80E-11
1468	380909.14	3735489.51	4.43E-10	0.00E+00	0.00E+00	0.00E+00	4.43E-10	6.83E-11	0.00E+00	0.00E+00	0.00E+00	6.83E-11	4.54E-11	0.00E+00	0.00E+00	0.00E+00	4.54E-11
1469	380873.36	3735481.43	4.20E-10	0.00E+00	0.00E+00	0.00E+00	4.20E-10	6.47E-11	0.00E+00	0.00E+00	0.00E+00	6.47E-11	4.30E-11	0.00E+00	0.00E+00	0.00E+00	4.30E-11
1470	380830.65	3735479.12	3.99E-10	0.00E+00	0.00E+00	0.00E+00	3.99E-10	6.15E-11	0.00E+00	0.00E+00	0.00E+00	6.15E-11	4.09E-11	0.00E+00	0.00E+00	0.00E+00	4.09E-11
1471	380479.14	3735509.41	2.72E-10	0.00E+00	0.00E+00	0.00E+00	2.72E-10	4.20E-11	0.00E+00	0.00E+00	0.00E+00	4.20E-11	2.79E-11	0.00E+00	0.00E+00	0.00E+00	2.79E-11
1472	380492.49	3735486.89	2.68E-10	0.00E+00	0.00E+00	0.00E+00	2.68E-10	4.14E-11	0.00E+00	0.00E+00	0.00E+00	4.14E-11	2.75E-11	0.00E+00	0.00E+00	0.00E+00	2.75E-11
1473	380521.67	3735468.55	2.70E-10	0.00E+00	0.00E+00	0.00E+00	2.70E-10	4.15E-11	0.00E+00	0.00E+00	0.00E+00	4.15E-11	2.76E-11	0.00E+00	0.00E+00	0.00E+00	2.76E-11
1474	380548.36	3735453.54	2.66E-10	0.00E+00	0.00E+00	0.00E+00	2.66E-10	4.11E-11	0.00E+00	0.00E+00	0.00E+00	4.11E-11	2.73E-11	0.00E+00	0.00E+00	0.00E+00	2.73E-11
1475	380565.04	3735441.86	2.64E-10	0.00E+00	0.00E+00	0.00E+00	2.64E-10	4.07E-11	0.00E+00	0.00E+00	0.00E+00	4.07E-11	2.71E-11	0.00E+00	0.00E+00	0.00E+00	2.71E-11
1476	380595.9	3735420.18	2.65E-10	0.00E+00	0.00E+00	0.00E+00	2.65E-10	4.08E-11	0.00E+00	0.00E+00	0.00E+00	4.08E-11	2.71E-11	0.00E+00	0.00E+00	0.00E+00	2.71E-11
1477	380624.25	3735399.33	2.70E-10	0.00E+00	0.00E+00	0.00E+00	2.70E-10	4.15E-11	0.00E+00	0.00E+00	0.00E+00	4.15E-11	2.76E-11	0.00E+00	0.00E+00	0.00E+00	2.76E-11
1478	380641.76	3735382.65	2.73E-10	0.00E+00	0.00E+00	0.00E+00	2.73E-10	4.21E-11	0.00E+00	0.00E+00	0.00E+00	4.21E-11	2.80E-11	0.00E+00	0.00E+00	0.00E+00	2.80E-11
1479	380660.11	3735370.97	2.77E-10	0.00E+00	0.00E+00	0.00E+00	2.77E-10	4.27E-11	0.00E+00	0.00E+00	0.00E+00	4.27E-11	2.83E-11	0.00E+00	0.00E+00	0.00E+00	2.83E-11
1480	380682.63	3735356.8	2.79E-10	0.00E+00	0.00E+00	0.00E+00	2.79E-10	4.30E-11	0.00E+00	0.00E+00	0.00E+00	4.30E-11	2.86E-11	0.00E+00	0.00E+00	0.00E+00	2.86E-11
1481	380703.48	3735345.95	2.81E-10	0.00E+00	0.00E+00	0.00E+00	2.81E-10	4.32E-11	0.00E+00	0.00E+00	0.00E+00	4.32E-11	2.87E-11	0.00E+00	0.00E+00	0.00E+00	2.87E-11
1482	380715.15	3735338.45	2.80E-10	0.00E+00	0.00E+00	0.00E+00	2.80E-10	4.31E-11	0.00E+00	0.00E+00	0.00E+00	4.31E-11	2.86E-11	0.00E+00	0.00E+00	0.00E+00	2.86E-11
1483	380734.33	3735324.27	2.77E-10	0.00E+00	0.00E+00	0.00E+00	2.77E-10	4.28E-11	0.00E+00	0.00E+00	0.00E+00	4.28E-11	2.84E-11	0.00E+00	0.00E+00	0.00E+00	2.84E-11
1484	380885.42	3735181.46	2.66E-10	0.00E+00	0.00E+00	0.00E+00	2.66E-10	4.10E-11	0.00E+00	0.00E+00	0.00E+00	4.10E-11	2.73E-11	0.00E+00	0.00E+00	0.00E+00	2.73E-11
1485	380906.54	3735156.62	2.61E-10	0.00E+00	0.00E+00	0.00E+00	2.61E-10	4.03E-11	0.00E+00	0.00E+00	0.00E+00	4.03E-11	2.68E-11	0.00E+00	0.00E+00	0.00E+00	2.68E-11
1486	380956.21	3735125.57	2.63E-10	0.00E+00	0.00E+00	0.00E+00	2.63E-10	4.05E-11	0.00E+00	0.00E+00	0.00E+00	4.05E-11	2.69E-11	0.00E+00	0.00E+00	0.00E+00	2.69E-11
1487	380993.47	3735116.88	2.67E-10	0.00E+00	0.00E+00	0.00E+00	2.67E-10	4.12E-11	0.00E+00	0.00E+00	0.00E+00	4.12E-11	2.74E-11	0.00E+00	0.00E+00	0.00E+00	2.74E-11
1488	381024.52	3735105.7	2.70E-10	0.00E+00	0.00E+00	0.00E+00	2.70E-10	4.15E-11	0.00E+00	0.00E+00	0.00E+00	4.15E-11	2.76E-11	0.00E+00	0.00E+00	0.00E+00	2.76E-11
1489	380887.91	3735100.73	2.40E-10	0.00E+00	0.00E+00	0.00E+00	2.40E-10	3.69E-11	0.00E+00	0.00E+00	0.00E+00	3.69E-11	2.45E-11	0.00E+00	0.00E+00	0.00E+00	2.45E-11
1490	380844.44	3735110.67	2.34E-10	0.00E+00	0.00E+00	0.00E+00	2.34E-10	3.61E-11	0.00E+00	0.00E+00	0.00E+00	3.61E-11	2.40E-11	0.00E+00	0.00E+00	0.00E+00	2.40E-11
1491	380812.15	3735111.91	2.28E-10	0.00E+00	0.00E+00	0.00E+00	2.28E-10	3.52E-11	0.00E+00	0.00E+00	0.00E+00	3.52E-11	2.34E-11	0.00E+00	0.00E+00	0.00E+00	2.34E-11
1492	380776.74	3735245.85	2.59E-10	0.00E+00	0.00E+00	0.00E+00	2.59E-10	4.00E-11	0.00E+00	0.00E+00	0.00E+00	4.00E-11	2.66E-11	0.00E+00	0.00E+00	0.00E+00	2.66E-11
1493	380773.98	3735229.32	2.54E-10	0.00E+00	0.00E+00	0.00E+00	2.54E-10	3.91E-11	0.00E+00	0.00E+00	0.00E+00	3.91E-11	2.60E-11	0.00E+00	0.00E+00	0.00E+00	2.60E-11
1494	381418	3735188.4	3.68E-10	0.00E+00	0.00E+00	0.00E+00	3.68E-10	5.67E-11	0.00E+00	0.00E+00	0.00E+00	5.67E-11	3.77E-11	0.00E+00	0.00E+00	0.00E+00	3.77E-11

1495	381448	3735218.4	3.86E-10	0.00E+00	0.00E+00	0.00E+00	3.86E-10	5.94E-11	0.00E+00	0.00E+00	0.00E+00	5.94E-11	3.95E-11	0.00E+00	0.00E+00	0.00E+00	3.95E-11
1496	381478	3735218.4	3.90E-10	0.00E+00	0.00E+00	0.00E+00	3.90E-10	6.02E-11	0.00E+00	0.00E+00	0.00E+00	6.02E-11	4.00E-11	0.00E+00	0.00E+00	0.00E+00	4.00E-11
1497	381508	3735218.4	3.96E-10	0.00E+00	0.00E+00	0.00E+00	3.96E-10	6.11E-11	0.00E+00	0.00E+00	0.00E+00	6.11E-11	4.06E-11	0.00E+00	0.00E+00	0.00E+00	4.06E-11
1498	381538	3735218.4	4.02E-10	0.00E+00	0.00E+00	0.00E+00	4.02E-10	6.19E-11	0.00E+00	0.00E+00	0.00E+00	6.19E-11	4.11E-11	0.00E+00	0.00E+00	0.00E+00	4.11E-11
1499	381568	3735218.4	4.06E-10	0.00E+00	0.00E+00	0.00E+00	4.06E-10	6.26E-11	0.00E+00	0.00E+00	0.00E+00	6.26E-11	4.16E-11	0.00E+00	0.00E+00	0.00E+00	4.16E-11
1500	381898	3735218.4	4.62E-10	0.00E+00	0.00E+00	0.00E+00	4.62E-10	7.12E-11	0.00E+00	0.00E+00	0.00E+00	7.12E-11	4.73E-11	0.00E+00	0.00E+00	0.00E+00	4.73E-11
1501	381418	3735248.4	4.01E-10	0.00E+00	0.00E+00	0.00E+00	4.01E-10	6.17E-11	0.00E+00	0.00E+00	0.00E+00	6.17E-11	4.10E-11	0.00E+00	0.00E+00	0.00E+00	4.10E-11
1502	381448	3735248.4	4.02E-10	0.00E+00	0.00E+00	0.00E+00	4.02E-10	6.20E-11	0.00E+00	0.00E+00	0.00E+00	6.20E-11	4.12E-11	0.00E+00	0.00E+00	0.00E+00	4.12E-11
1503	381478	3735248.4	4.01E-10	0.00E+00	0.00E+00	0.00E+00	4.01E-10	6.18E-11	0.00E+00	0.00E+00	0.00E+00	6.18E-11	4.11E-11	0.00E+00	0.00E+00	0.00E+00	4.11E-11
1504	381508	3735248.4	4.12E-10	0.00E+00	0.00E+00	0.00E+00	4.12E-10	6.35E-11	0.00E+00	0.00E+00	0.00E+00	6.35E-11	4.22E-11	0.00E+00	0.00E+00	0.00E+00	4.22E-11
1505	381538	3735248.4	4.21E-10	0.00E+00	0.00E+00	0.00E+00	4.21E-10	6.49E-11	0.00E+00	0.00E+00	0.00E+00	6.49E-11	4.31E-11	0.00E+00	0.00E+00	0.00E+00	4.31E-11
1506	381568	3735248.4	4.25E-10	0.00E+00	0.00E+00	0.00E+00	4.25E-10	6.55E-11	0.00E+00	0.00E+00	0.00E+00	6.55E-11	4.35E-11	0.00E+00	0.00E+00	0.00E+00	4.35E-11
1507	381598	3735248.4	4.30E-10	0.00E+00	0.00E+00	0.00E+00	4.30E-10	6.63E-11	0.00E+00	0.00E+00	0.00E+00	6.63E-11	4.41E-11	0.00E+00	0.00E+00	0.00E+00	4.41E-11
1508	381628	3735248.4	4.36E-10	0.00E+00	0.00E+00	0.00E+00	4.36E-10	6.72E-11	0.00E+00	0.00E+00	0.00E+00	6.72E-11	4.47E-11	0.00E+00	0.00E+00	0.00E+00	4.47E-11
1509	381658	3735248.4	4.41E-10	0.00E+00	0.00E+00	0.00E+00	4.41E-10	6.80E-11	0.00E+00	0.00E+00	0.00E+00	6.80E-11	4.52E-11	0.00E+00	0.00E+00	0.00E+00	4.52E-11
1510	381688	3735248.4	4.47E-10	0.00E+00	0.00E+00	0.00E+00	4.47E-10	6.88E-11	0.00E+00	0.00E+00	0.00E+00	6.88E-11	4.57E-11	0.00E+00	0.00E+00	0.00E+00	4.57E-11
1511	381718	3735248.4	4.52E-10	0.00E+00	0.00E+00	0.00E+00	4.52E-10	6.96E-11	0.00E+00	0.00E+00	0.00E+00	6.96E-11	4.63E-11	0.00E+00	0.00E+00	0.00E+00	4.63E-11
1512	381748	3735248.4	4.57E-10	0.00E+00	0.00E+00	0.00E+00	4.57E-10	7.04E-11	0.00E+00	0.00E+00	0.00E+00	7.04E-11	4.68E-11	0.00E+00	0.00E+00	0.00E+00	4.68E-11
1513	381778	3735248.4	4.62E-10	0.00E+00	0.00E+00	0.00E+00	4.62E-10	7.12E-11	0.00E+00	0.00E+00	0.00E+00	7.12E-11	4.73E-11	0.00E+00	0.00E+00	0.00E+00	4.73E-11
1514	381808	3735248.4	4.68E-10	0.00E+00	0.00E+00	0.00E+00	4.68E-10	7.21E-11	0.00E+00	0.00E+00	0.00E+00	7.21E-11	4.79E-11	0.00E+00	0.00E+00	0.00E+00	4.79E-11
1515	381838	3735248.4	4.74E-10	0.00E+00	0.00E+00	0.00E+00	4.74E-10	7.30E-11	0.00E+00	0.00E+00	0.00E+00	7.30E-11	4.85E-11	0.00E+00	0.00E+00	0.00E+00	4.85E-11
1516	381868	3735248.4	4.80E-10	0.00E+00	0.00E+00	0.00E+00	4.80E-10	7.40E-11	0.00E+00	0.00E+00	0.00E+00	7.40E-11	4.91E-11	0.00E+00	0.00E+00	0.00E+00	4.91E-11
1517	381898	3735248.4	4.86E-10	0.00E+00	0.00E+00	0.00E+00	4.86E-10	7.49E-11	0.00E+00	0.00E+00	0.00E+00	7.49E-11	4.98E-11	0.00E+00	0.00E+00	0.00E+00	4.98E-11
1518	381388	3735278.4	4.15E-10	0.00E+00	0.00E+00	0.00E+00	4.15E-10	6.40E-11	0.00E+00	0.00E+00	0.00E+00	6.40E-11	4.25E-11	0.00E+00	0.00E+00	0.00E+00	4.25E-11
1519	381418	3735278.4	4.20E-10	0.00E+00	0.00E+00	0.00E+00	4.20E-10	6.47E-11	0.00E+00	0.00E+00	0.00E+00	6.47E-11	4.30E-11	0.00E+00	0.00E+00	0.00E+00	4.30E-11
1520	381448	3735278.4	4.24E-10	0.00E+00	0.00E+00	0.00E+00	4.24E-10	6.53E-11	0.00E+00	0.00E+00	0.00E+00	6.53E-11	4.34E-11	0.00E+00	0.00E+00	0.00E+00	4.34E-11
1521	381478	3735278.4	4.26E-10	0.00E+00	0.00E+00	0.00E+00	4.26E-10	6.57E-11	0.00E+00	0.00E+00	0.00E+00	6.57E-11	4.37E-11	0.00E+00	0.00E+00	0.00E+00	4.37E-11
1522	381508	3735278.4	4.25E-10	0.00E+00	0.00E+00	0.00E+00	4.25E-10	6.55E-11	0.00E+00	0.00E+00	0.00E+00	6.55E-11	4.35E-11	0.00E+00	0.00E+00	0.00E+00	4.35E-11
1523	381538	3735278.4	4.42E-10	0.00E+00	0.00E+00	0.00E+00	4.42E-10	6.81E-11	0.00E+00	0.00E+00	0.00E+00	6.81E-11	4.53E-11	0.00E+00	0.00E+00	0.00E+00	4.53E-11
1524	381568	3735278.4	4.47E-10	0.00E+00	0.00E+00	0.00E+00	4.47E-10	6.89E-11	0.00E+00	0.00E+00	0.00E+00	6.89E-11	4.58E-11	0.00E+00	0.00E+00	0.00E+00	4.58E-11
1525	381598	3735278.4	4.52E-10	0.00E+00	0.00E+00	0.00E+00	4.52E-10	6.97E-11	0.00E+00	0.00E+00	0.00E+00	6.97E-11	4.63E-11	0.00E+00	0.00E+00	0.00E+00	4.63E-11
1526	381628	3735278.4	4.58E-10	0.00E+00	0.00E+00	0.00E+00	4.58E-10	7.07E-11	0.00E+00	0.00E+00	0.00E+00	7.07E-11	4.70E-11	0.00E+00	0.00E+00	0.00E+00	4.70E-11
1527	381658	3735278.4	4.64E-10	0.00E+00	0.00E+00	0.00E+00	4.64E-10	7.15E-11	0.00E+00	0.00E+00	0.00E+00	7.15E-11	4.75E-11	0.00E+00	0.00E+00	0.00E+00	4.75E-11
1528	381688	3735278.4	4.70E-10	0.00E+00	0.00E+00	0.00E+00	4.70E-10	7.24E-11	0.00E+00	0.00E+00	0.00E+00	7.24E-11	4.81E-11	0.00E+00	0.00E+00	0.00E+00	4.81E-11
1529	381718	3735278.4	4.76E-10	0.00E+00	0.00E+00	0.00E+00	4.76E-10	7.33E-11	0.00E+00	0.00E+00	0.00E+00	7.33E-11	4.87E-11	0.00E+00	0.00E+00	0.00E+00	4.87E-11
1530	381748	3735278.4	4.81E-10	0.00E+00	0.00E+00	0.00E+00	4.81E-10	7.41E-11	0.00E+00	0.00E+00	0.00E+00	7.41E-11	4.93E-11	0.00E+00	0.00E+00	0.00E+00	4.93E-11
1531	381778	3735278.4	4.86E-10	0.00E+00	0.00E+00	0.00E+00	4.86E-10	7.50E-11	0.00E+00	0.00E+00	0.00E+00	7.50E-11	4.98E-11	0.00E+00	0.00E+00	0.00E+00	4.98E-11
1532	381808	3735278.4	4.93E-10	0.00E+00	0.00E+00	0.00E+00	4.93E-10	7.59E-11	0.00E+00	0.00E+00	0.00E+00	7.59E-11	5.05E-11	0.00E+00	0.00E+00	0.00E+00	5.05E-11
1533	381838	3735278.4	4.99E-10	0.00E+00	0.00E+00	0.00E+00	4.99E-10	7.69E-11	0.00E+00	0.00E+00	0.00E+00	7.69E-11	5.11E-11	0.00E+00	0.00E+00	0.00E+00	5.11E-11
1534	381868	3735278.4	5.06E-10	0.00E+00	0.00E+00	0.00E+00	5.06E-10	7.80E-11	0.00E+00	0.00E+00	0.00E+00	7.80E-11	5.18E-11	0.00E+00	0.00E+00	0.00E+00	5.18E-11
1535	381898	3735278.4	5.13E-10	0.00E+00	0.00E+00	0.00E+00	5.13E-10	7.91E-11	0.00E+00	0.00E+00	0.00E+00	7.91E-11	5.25E-11	0.00E+00	0.00E+00	0.00E+00	5.25E-11
1536	381358	3735308.4	4.29E-10	0.00E+00	0.00E+00	0.00E+00	4.29E-10	6.61E-11	0.00E+00	0.00E+00	0.00E+00	6.61E-11	4.39E-11	0.00E+00	0.00E+00	0.00E+00	4.39E-11
1537	381388	3735308.4	4.36E-10	0.00E+00	0.00E+00	0.00E+00	4.36E-10	6.72E-11	0.00E+00	0.00E+00	0.00E+00	6.72E-11	4.46E-11	0.00E+00	0.00E+00	0.00E+00	4.46E-11
1538	381418	3735308.4	4.39E-10	0.00E+00	0.00E+00	0.00E+00	4.39E-10	6.77E-11	0.00E+00	0.00E+00	0.00E+00	6.77E-11	4.50E-11	0.00E+00	0.00E+00	0.00E+00	4.50E-11
1539	381448	3735308.4	4.47E-10	0.00E+00	0.00E+00	0.00E+00	4.47E-10	6.89E-11	0.00E+00	0.00E+00	0.00E+00	6.89E-11	4.58E-11	0.00E+00	0.00E+00	0.00E+00	4.58E-11
1540	381478	3735308.4	4.49E-10	0.00E+00	0.00E+00	0.00E+00	4.49E-10	6.93E-11	0.00E+00	0.00E+00	0.00E+00	6.93E-11	4.60E-11	0.00E+00	0.00E+00	0.00E+00	4.60E-11
1541	381508	3735308.4	4.43E-10	0.00E+00	0.00E+00	0.00E+00	4.43E-10	6.83E-11	0.00E+00	0.00E+00	0.00E+00	6.83E-11	4.54E-11	0.00E+00	0.00E+00	0.00E+00	4.54E-11
1542	381538	3735308.4	4.60E-10	0.00E+00	0.00E+00	0.00E+00	4.60E-10	7.08E-11	0.00E+00	0.00E+00	0.00E+00	7.08E-11	4.71E-11	0.00E+00	0.00E+00	0.00E+00	4.71E-11
1543	381568	3735308.4	4.71E-10	0.00E+00	0.00E+00	0.00E+00	4.71E-10	7.26E-11	0.00E+00	0.00E+00	0.00E+00	7.26E-11	4.82E-11	0.00E+00	0.00E+00	0.00E+00	4.82E-11
1544	381598	3735308.4	4.77E-10	0.00E+00	0.00E+00	0.00E+00	4.77E-10	7.35E-11	0.00E+00	0.00E+00	0.00E+00	7.35E-11	4.88E-11	0.00E+00	0.00E+00	0.00E+00	4.88E-11
1545	381628	3735308.4	4.83E-10	0.00E+00	0.00E+00	0.00E+00	4.83E-10	7.45E-11	0.00E+00	0.00E+00	0.00E+00	7.45E-11	4.95E-11	0.00E+00	0.00E+00	0.00E+00	4.95E-11
1546	381658	3735308.4	4.90E-10	0.00E+00	0.00E+00	0.00E+00	4.90E-10	7.54E-11	0.00E+00	0.00E+00	0.00E+00	7.54E-11	5.01E-11	0.00E+00	0.00E+00	0.00E+00	5.01E-11
1547	381688	3735308.4	4.96E-10	0.00E+00	0.00E+00	0.00E+00	4.96E-10	7.64E-11	0.00E+00	0.00E+00	0.00E+00	7.64E-11	5.08E-11	0.00E+00	0.00E+00	0.00E+00	5.08E-11
1548	381718	3735308.4	5.02E-10	0.00E+00	0.00E+00	0.00E+00	5.02E-10	7.74E-11	0.00E+00	0.00E+00	0.00E+00	7.74E-11	5.14E-11	0.00E+00	0.00E+00	0.00E+00	5.14E-11
1549	381748	3735308.4	5.08E-10	0.00E+00	0.00E+00	0.00E+00	5.08E-10	7.82E-11	0.00E+00	0.00E+00	0.00E+00	7.82E-11	5.20E-11	0.00E+00	0.00E+00	0.00E+00	5.20E-11
1550	381778	3735308.4	5.13E-10	0.00E+00	0.00E+00	0.00E+00	5.13E-10	7.91E-11	0.00E+00	0.00E+00	0.00E+00	7.91E-11	5.25E-11	0.00E+00	0.00E+00	0.00E+00	5.25E-11
1551	381808	3735308.4	5.20E-10	0.00E+00	0.00E+00	0.00E+00	5.20E-10	8.01E-11	0.00E+00	0.00E+00	0.00E+00	8.01E-11	5.32E-11	0.00E+00	0.00E+00	0.00E+00	5.32E-11
1552	381838	3735308.4	5.27E-10	0.00E+00	0.00E+00	0.00E+00	5.27E-10	8.12E-11	0.00E+00	0.00E+00	0.00E+00	8.12E-11	5.40E-11	0.00E+00	0.00E+00	0.00E+00	5.40E-11
1553	381868	3735308.4	5.35E-10	0.00E+00	0.00E+00	0.00E+00	5.35E-10	8.24E-11	0.00E+00	0.00E+00	0.00E+00	8.24E-11	5.48E-11	0.00E+00	0.00E+00	0.00E+00	5.48E-11
1554	381898	3735308.4	5.42E-10	0.00E+00	0.00E+00	0.00E+00	5.42E-10	8.35E-11	0.00E+00	0.00E+00	0.00E+00	8.35E-11	5.55E-11	0.00E+00	0.00E+00	0.00E+00	5.55E-11
1555	381328	3735338.4	4.45E-10	0.00E+00	0.00E+00	0.00E+00	4.45E-10	6.86E-11	0.00E+00	0.00E+00	0.00E+00	6.86E-11	4.56E-11	0.00E+00	0.00E+00	0.00E+00	4.56E-11
1556	381358	3735338.4	4.52E-10	0.00E+00	0.00E+00	0.00E+00	4.52E-10	6.96E-11	0.00E+00	0.00E+00	0.00E+00	6.96E-11	4.63E-11	0.00E+00	0.00E+00	0.00E+00	4.63E-11
1557	381388	3735338.4	4.58E-10	0.00E+00	0.00E+00	0.00E+00	4.58E-10	7.06E-11	0.00E+00	0.00E+00	0.00E+00	7.06E-11	4.69E-11	0.00E+00	0.00E+00	0.00E+00	4.69E-11
1558	381418	3735338.4	4.59E-10	0.00E+00	0.00E+00	0.00E+00	4.59E-10	7.08E-11	0.00E+00	0.00E+00	0.00E+00	7.08E-11	4.71E-11	0.00E+00	0.00E+00	0.00E+00	4.71E-11
1559	381448	3735338.4	4.71E-10	0.00E+00	0.00E+00	0.00E+00	4.71E-10	7.25E-11	0.00E+00	0.00E+00	0.00E+00	7.25E-11	4.82E-11	0.00E+00	0.00E+00	0.00E+00	4.82E-11
1560	381478	3735338.4	4.76E-10	0.00E+00	0.00E+00	0.00E+00	4.76E-10	7.34E-11	0.00E+00	0.00E+00	0.00E+00	7.34E-11	4.88E-11	0.00E+00	0.00E+00	0.00E+00	4.88E-11
1561	381508	3735338.4	4.69E-10	0.00E+00	0.00E+00	0.00E+00	4.69E-10	7.23E-11	0.00E+00	0.00E+00	0.00E+00	7.23E-11	4.80E-11	0.00E+00	0.00E+00	0.00E+00	4.80E-11
1562	381538	3735338.4	4.85E-10	0.00E+00	0.00E+00	0.00E+00	4.85E-10	7.47E-11	0.00E+00	0.00E+00	0.00E+00	7.47E-11	4.97E-11	0.00E+00	0.00E+00	0.00E+00	4.97E-11
1563	381568	3735338.4	4.97E-10	0.00E+00	0.00E+00	0.00E+00	4.97E-10	7.66E-11	0.00E+00	0.00E+00	0.00E+00	7.66E-11	5.09E-11	0.00E+00	0.00E+00	0.00E+00	5.09E-11
1564	381598	3735338.4	5.04E-10	0.00E+00	0.00E+00	0.00E+00	5.04E-10	7.76E-11	0.00E+00	0.00E+00	0.00E+00	7.76E-11	5.16E-11	0.00E+00	0.00E+00	0.00E+00	5.16E-11
1565	381628	3735338.4	5.10E-10	0.00E+00	0.00E+00	0.00E+00	5.10E-10	7.87E-11	0.00E+00	0.00E+00	0.00E+00	7.87E-11	5.23E-11	0.00E+00	0.00E+00	0.00E+00	5.23E-11
1566	381658	3735338.4	5.17E-10	0.00E+00	0.00E+00	0.00E+00	5.17E-10	7.98E-11	0.00E+00	0.00E+00	0.00E+00	7.98E-11	5.30E-11	0.00E+00	0.00E+00	0.00E+00	5.30E-11
1567	381688	3735338.4	5.24E-10	0.00E+00	0.00E+00	0.00E+00	5.24E-10	8.08E-11	0.00E+00	0.00E+00	0.00E+00	8.08E-11	5.37E-11	0.00E+00	0.00E+00	0.00E+00	5.37E-11
1568	381718	3735338.4	5.31E-10	0.00E+00	0.00E+00	0.00E+00	5.31E-10	8.19E-11	0.00E+00	0.00E+00	0.00E+00	8.19E-11	5.44E-11	0.00E+00	0.00E+00	0.00E+00	5.44E-11
1569	381748	3735338.4	5.38E-10	0.00E+00	0.00E+00	0.00E+00	5.38E-10	8.29E-11	0.00E+00	0.00E+00	0.00E+00	8.29E-11	5.51E-11	0.00E+00	0.00E+00	0.00E+00	5.51E-11
1570	381778	3735338.4	5.43E-10	0.00E+00	0.00E+00	0.00E+00	5.43E-10	8.37E-11	0.00E+00	0.00E+00	0.00E+00	8.37E-11	5.57E-11	0.00E+00	0.00E+00	0.00E+00	5.57E-11
1571	381808	3735338.4	5.50E-10	0.00E+00	0.00E+00	0.00E+00	5.50E-10	8.47E-11	0.00E+00	0.00E+00	0.00E+00	8.47E-11	5.63E-11	0.00E+00	0.00E+00	0.00E+00	5.63E-11
1572	381838	3735338.4	5.58E-10	0.00E+00	0.00E+00	0.00E+00	5.58E-10	8.60E-11	0.00E+00	0.00E+00	0.00E+00	8.60E-11	5.71E-11	0.00E+00	0.00E+00	0.00E+00	5.71E-11
1573	381868	3735338.4	5.66E-10	0.00E+00	0.00E+00	0.00E+00	5.66E-10	8.72E-11	0.00E+00	0.00E+00	0.00E+00	8.72E-11	5.80E-11	0.00E+00	0.00E+00	0.00E+00	5.80E-11
1574	381898	3735338.4	5.74E-10	0.00E+00	0.00E+00	0.00E+00	5.74E-10	8.84E-11	0.00E+00	0.00E+00	0.00E+00	8.84E-11	5.88E-11	0.00E+00	0.00E+00	0.00E+00	5.88E-11
1575	381328	3735368.4	4.70E-10	0.00E+00	0.00E+00	0.00E+00	4.70E-10	7.24E-11	0.00E+00	0.00E+00	0.00E+00	7.24E-11	4.81E-11	0.00E+00	0.00E+00	0.00E+00	4.81E-11
1576	381358	3735368.4	4.77E-10	0.00E+00	0.00E+00	0.00E+00	4.77E-10	7.35E-11	0.00E+00	0.00E+00	0.00E+00	7.35E-11	4.88E-11	0.00E+00	0.00E+00	0.00E+00	4.88E-11
1577	381388	3735368.4	4.84E-10	0.00E+00	0.00E+00	0.00E+00	4.84E-10	7.45E-11	0.00E+00	0.00E+00	0.00E+00	7.45E-11	4.95E-11	0.00E+00	0.00E+00	0.00E+00	4.95E-11
1578	381418	3735368.4	4.88E-10	0.00E+00	0.00E+00	0.00E+00	4.88E-10	7.52E-11	0.00E+00	0.00E+00	0.00E+00	7.52E-11	5.00E-11	0.00E+00	0.00E+00	0.00E+00	5.00E-11
1579	381448	3735368.4	4.97E-10	0.00E+00	0.00E+00	0.00E+00	4.97E-10	7.67E-11	0.00E+00	0.00E+00	0.00E+00	7.67E-11	5.09E-11	0.00E+00	0.00E+00	0.00E+00	5.09E-11
1580	381478	3735368.4	5.04E-10	0.00E+00	0.00E+00	0.00E+00	5.04E-10	7.77E-11	0.00E+00	0.00E+00	0.00E+00	7.77E-11	5.17E-11	0.00E+00	0.00E+00	0.00E+00	5.17E-11
1581	381508	3735368.4	5.06E-10	0.00E+00	0.00E+00	0.00E+00	5.06E-10	7.80E-11	0.00E+00	0.00E+00	0.00E+00	7.80E-11	5.18E-11	0.00E+00	0.00E+00	0.00E+00	5.18E-11
1582	381538	3735368.4	5.18E-10	0.00E+00	0.00E+00	0.00E+00	5.18E-10	7.98E-11	0.00E+00	0.00E+00	0.00E+00	7.98E-11	5.30E-11	0.00E+00	0.00E+00	0.00E+00	5.30E-11
1583	381568	3735368.4	5.26E-10	0.00E+00	0.00E+00	0.00E+00	5.26E-10	8.10E-11	0.00E+00	0.00E+00	0.00E+00	8.10E-11	5.38E-11	0.00E+00	0.00E+00	0.00E+00	5.38E-11
1584	381598	3735368.4	5.33E-10	0.00E+00	0.00E+00	0.00E+00	5.33E-10	8.21E-11	0.00E+00	0.00E+00	0.00E+00	8.21E-11	5.46E-11	0.00E+00	0.00E+00	0.00E+00	5.46E-11
1585	381628	3735368.4	5.41E-10	0.00E+00	0.00E+00	0.00E+00	5.41E-10	8.34E-11	0.00E+00	0.00E+00	0.00E+00	8.34E-11	5.54E-11	0.00E+00	0.00E+00	0.00E+00	5.54E-11
1586	381658	3735368.4	5.49E-10	0.00E+00	0.00E+00	0.00E+00	5.49E-10	8.45E-11	0.00E+00	0.00E+00	0.00E+00	8.45E-11	5.62E-11	0.00E+00	0.00E+00	0.00E+00	5.62E-11
1587	381688	3735368.4	5.56E-10	0.00E+00	0.00E+00	0.00E+00	5.56E-10	8.58E-11	0.00E+00	0.00E+00	0.00E+00	8.58E-11	5.70E-11	0.00E+00	0.00E+00	0.00E+00	5.70E-11
1588	381718	3735368.4	5.64E-10	0.00E+00	0.00E+00	0.00E+00	5.64E-10	8.69E-11	0.00E+00	0.00E+00	0.00E+00	8.69E-11	5.78E-11	0.00E+00	0.00E+00	0.00E+00	5.78E-11
1589	381748	3735368.4	5.72E-10	0.00E+00	0.00E+00	0.00E+00	5.72E-10	8.81E-11	0.00E+00	0.00E+00	0.00E+00	8.81E-11	5.86E-11	0.00E+00	0.00E+00	0.00E+00	5.86E-11
1590	381778	3735368.4	5.79E-10	0.00E+00	0.00E+00	0.00E+00	5.79E-10	8.92E-11	0.00E+00	0.00E+00	0.00E+00	8.92E-11	5.93E-11	0.00E+00	0.00E+00	0.00E+00	5.93E-11
1591	381808	3735368.4	5.85E-10	0.00E+00	0.00E+00	0.00E+00	5.85E-10	9.01E-11	0.00E+00	0.00E+00	0.00E+00	9.01E-11	5.99E-11	0.00E+00	0.00E+00	0.00E+00	5.99E-11
1592	381838	3735368.4	5.92E-10	0.00E+00	0.00E+00	0.00E+00	5.92E-10	9.12E-11	0.00E+00	0.00E+00	0.00E+00	9.12E-11	6.06E-11	0.00E+00	0.00E+00	0.00E+00	6.06E-11
1593	381868	3735368.4	6.00E-10	0.00E+00	0.00E+00	0.00E+00	6.00E-10	9.25E-11	0.00E+00	0.00E+00	0.00E+00	9.25E-11	6.15E-11	0.00E+00	0.00E+00	0.00E+00	6.15E-11
1594	381898	3735368.4	6.08E-10	0.00E+00	0.00E+00	0.00E+00	6.08E-10	9.38E-11	0.00E+00	0.00E+00	0.00E+00	9.38E-11	6.23E-11	0.00E+00	0.00E+00	0.00E+00	6.23E-11
1595	381298	3735398.4	4.89E-10	0.00E+00	0.00E+00	0.00E+00	4.89E-10	7.53E-11	0.00E+00	0.00E+00	0.00E+00	7.53E-11	5.01E-11	0.00E+00	0.00E+00	0.00E+00	5.01E-11
1596	381328	3735398.4	4.97E-10	0.00E+00	0.00E+00	0.00E+00	4.97E-10	7.66E-11	0.00E+00	0.00E+00	0.00E+00	7.66E-11	5.09E-11	0.00E+00	0.00E+00	0.00E+00	5.09E-11
1597	381358	3735398.4	5.04E-10	0.00E+00	0.00E+00	0.00E+00	5.04E-10	7.77E-11	0.00E+00	0.00E+00	0.00E+00	7.77E-11	5.17E-11	0.00E+00	0.00E+00	0.00E+00	5.17E-11
1598	381388	3735398.4	5.12E-10	0.00E+00	0.00E+00	0.00E+00	5.12E-10	7.89E-11	0.00E+00	0.00E+00	0.00E+00	7.89E-11	5.24E-11	0.00E+00	0.00E+00	0.00E+00	5.24E-11
1599	381418	3735398.4	5.19E-10	0.00E+00	0.00E+00	0.00E+00	5.19E-10	8.01E-11	0.00E+00	0.00E+00	0.00E+00	8.01E-11	5.32E-11	0.00E+00	0.00E+00	0.00E+00	5.32E-11
1600	381448	3735398.4	5.27E-10	0.00E+00	0.00E+00	0.00E+00	5.27E-10	8.12E-11	0.00E+00	0.00E+00	0.00E+00	8.12E-11	5.40E-11	0.00E+00	0.00E+00	0.00E+00	5.40E-11
1601	381478	3735398.4	5.35E-10	0.00E+00	0.00E+00	0.00E+00	5.35E-10	8.24E-11	0.00E+00	0.00E+00	0.00E+00	8.24E-11	5.48E-11	0.00E+00	0.00E+00	0.00E+00	5.48E-11

1602	381508	3735398.4	5.42E-10	0.00E+00	0.00E+00	0.00E+00	5.42E-10	8.36E-11	0.00E+00	0.00E+00	0.00E+00	8.36E-11	5.56E-11	0.00E+00	0.00E+00	0.00E+00	5.56E-11
1603	381538	3735398.4	5.50E-10	0.00E+00	0.00E+00	0.00E+00	5.50E-10	8.48E-11	0.00E+00	0.00E+00	0.00E+00	8.48E-11	5.64E-11	0.00E+00	0.00E+00	0.00E+00	5.64E-11
1604	381568	3735398.4	5.58E-10	0.00E+00	0.00E+00	0.00E+00	5.58E-10	8.60E-11	0.00E+00	0.00E+00	0.00E+00	8.60E-11	5.72E-11	0.00E+00	0.00E+00	0.00E+00	5.72E-11
1605	381598	3735398.4	5.66E-10	0.00E+00	0.00E+00	0.00E+00	5.66E-10	8.72E-11	0.00E+00	0.00E+00	0.00E+00	8.72E-11	5.80E-11	0.00E+00	0.00E+00	0.00E+00	5.80E-11
1606	381628	3735398.4	5.74E-10	0.00E+00	0.00E+00	0.00E+00	5.74E-10	8.85E-11	0.00E+00	0.00E+00	0.00E+00	8.85E-11	5.88E-11	0.00E+00	0.00E+00	0.00E+00	5.88E-11
1607	381658	3735398.4	5.83E-10	0.00E+00	0.00E+00	0.00E+00	5.83E-10	8.99E-11	0.00E+00	0.00E+00	0.00E+00	8.99E-11	5.97E-11	0.00E+00	0.00E+00	0.00E+00	5.97E-11
1608	381688	3735398.4	5.92E-10	0.00E+00	0.00E+00	0.00E+00	5.92E-10	9.12E-11	0.00E+00	0.00E+00	0.00E+00	9.12E-11	6.06E-11	0.00E+00	0.00E+00	0.00E+00	6.06E-11
1609	381718	3735398.4	6.00E-10	0.00E+00	0.00E+00	0.00E+00	6.00E-10	9.25E-11	0.00E+00	0.00E+00	0.00E+00	9.25E-11	6.15E-11	0.00E+00	0.00E+00	0.00E+00	6.15E-11
1610	381748	3735398.4	6.08E-10	0.00E+00	0.00E+00	0.00E+00	6.08E-10	9.37E-11	0.00E+00	0.00E+00	0.00E+00	9.37E-11	6.23E-11	0.00E+00	0.00E+00	0.00E+00	6.23E-11
1611	381778	3735398.4	6.17E-10	0.00E+00	0.00E+00	0.00E+00	6.17E-10	9.51E-11	0.00E+00	0.00E+00	0.00E+00	9.51E-11	6.32E-11	0.00E+00	0.00E+00	0.00E+00	6.32E-11
1612	381808	3735398.4	6.23E-10	0.00E+00	0.00E+00	0.00E+00	6.23E-10	9.61E-11	0.00E+00	0.00E+00	0.00E+00	9.61E-11	6.38E-11	0.00E+00	0.00E+00	0.00E+00	6.38E-11
1613	381838	3735398.4	6.30E-10	0.00E+00	0.00E+00	0.00E+00	6.30E-10	9.71E-11	0.00E+00	0.00E+00	0.00E+00	9.71E-11	6.46E-11	0.00E+00	0.00E+00	0.00E+00	6.46E-11
1614	381868	3735398.4	6.39E-10	0.00E+00	0.00E+00	0.00E+00	6.39E-10	9.84E-11	0.00E+00	0.00E+00	0.00E+00	9.84E-11	6.54E-11	0.00E+00	0.00E+00	0.00E+00	6.54E-11
1615	381898	3735398.4	6.47E-10	0.00E+00	0.00E+00	0.00E+00	6.47E-10	9.97E-11	0.00E+00	0.00E+00	0.00E+00	9.97E-11	6.62E-11	0.00E+00	0.00E+00	0.00E+00	6.62E-11
1616	381298	3735428.4	5.19E-10	0.00E+00	0.00E+00	0.00E+00	5.19E-10	7.99E-11	0.00E+00	0.00E+00	0.00E+00	7.99E-11	5.31E-11	0.00E+00	0.00E+00	0.00E+00	5.31E-11
1617	381328	3735428.4	5.27E-10	0.00E+00	0.00E+00	0.00E+00	5.27E-10	8.12E-11	0.00E+00	0.00E+00	0.00E+00	8.12E-11	5.39E-11	0.00E+00	0.00E+00	0.00E+00	5.39E-11
1618	381358	3735428.4	5.35E-10	0.00E+00	0.00E+00	0.00E+00	5.35E-10	8.25E-11	0.00E+00	0.00E+00	0.00E+00	8.25E-11	5.48E-11	0.00E+00	0.00E+00	0.00E+00	5.48E-11
1619	381388	3735428.4	5.43E-10	0.00E+00	0.00E+00	0.00E+00	5.43E-10	8.37E-11	0.00E+00	0.00E+00	0.00E+00	8.37E-11	5.57E-11	0.00E+00	0.00E+00	0.00E+00	5.57E-11
1620	381418	3735428.4	5.51E-10	0.00E+00	0.00E+00	0.00E+00	5.51E-10	8.50E-11	0.00E+00	0.00E+00	0.00E+00	8.50E-11	5.65E-11	0.00E+00	0.00E+00	0.00E+00	5.65E-11
1621	381448	3735428.4	5.60E-10	0.00E+00	0.00E+00	0.00E+00	5.60E-10	8.63E-11	0.00E+00	0.00E+00	0.00E+00	8.63E-11	5.73E-11	0.00E+00	0.00E+00	0.00E+00	5.73E-11
1622	381478	3735428.4	5.68E-10	0.00E+00	0.00E+00	0.00E+00	5.68E-10	8.76E-11	0.00E+00	0.00E+00	0.00E+00	8.76E-11	5.82E-11	0.00E+00	0.00E+00	0.00E+00	5.82E-11
1623	381508	3735428.4	5.77E-10	0.00E+00	0.00E+00	0.00E+00	5.77E-10	8.89E-11	0.00E+00	0.00E+00	0.00E+00	8.89E-11	5.91E-11	0.00E+00	0.00E+00	0.00E+00	5.91E-11
1624	381538	3735428.4	5.86E-10	0.00E+00	0.00E+00	0.00E+00	5.86E-10	9.03E-11	0.00E+00	0.00E+00	0.00E+00	9.03E-11	6.00E-11	0.00E+00	0.00E+00	0.00E+00	6.00E-11
1625	381568	3735428.4	5.94E-10	0.00E+00	0.00E+00	0.00E+00	5.94E-10	9.16E-11	0.00E+00	0.00E+00	0.00E+00	9.16E-11	6.09E-11	0.00E+00	0.00E+00	0.00E+00	6.09E-11
1626	381598	3735428.4	6.03E-10	0.00E+00	0.00E+00	0.00E+00	6.03E-10	9.30E-11	0.00E+00	0.00E+00	0.00E+00	9.30E-11	6.18E-11	0.00E+00	0.00E+00	0.00E+00	6.18E-11
1627	381628	3735428.4	6.12E-10	0.00E+00	0.00E+00	0.00E+00	6.12E-10	9.44E-11	0.00E+00	0.00E+00	0.00E+00	9.44E-11	6.27E-11	0.00E+00	0.00E+00	0.00E+00	6.27E-11
1628	381658	3735428.4	6.22E-10	0.00E+00	0.00E+00	0.00E+00	6.22E-10	9.58E-11	0.00E+00	0.00E+00	0.00E+00	9.58E-11	6.37E-11	0.00E+00	0.00E+00	0.00E+00	6.37E-11
1629	381688	3735428.4	6.31E-10	0.00E+00	0.00E+00	0.00E+00	6.31E-10	9.73E-11	0.00E+00	0.00E+00	0.00E+00	9.73E-11	6.46E-11	0.00E+00	0.00E+00	0.00E+00	6.46E-11
1630	381718	3735428.4	6.40E-10	0.00E+00	0.00E+00	0.00E+00	6.40E-10	9.86E-11	0.00E+00	0.00E+00	0.00E+00	9.86E-11	6.55E-11	0.00E+00	0.00E+00	0.00E+00	6.55E-11
1631	381748	3735428.4	6.49E-10	0.00E+00	0.00E+00	0.00E+00	6.49E-10	1.00E-10	0.00E+00	0.00E+00	0.00E+00	1.00E-10	6.64E-11	0.00E+00	0.00E+00	0.00E+00	6.64E-11
1632	381778	3735428.4	6.58E-10	0.00E+00	0.00E+00	0.00E+00	6.58E-10	1.01E-10	0.00E+00	0.00E+00	0.00E+00	1.01E-10	6.74E-11	0.00E+00	0.00E+00	0.00E+00	6.74E-11
1633	381808	3735428.4	6.65E-10	0.00E+00	0.00E+00	0.00E+00	6.65E-10	1.03E-10	0.00E+00	0.00E+00	0.00E+00	1.03E-10	6.82E-11	0.00E+00	0.00E+00	0.00E+00	6.82E-11
1634	381838	3735428.4	6.73E-10	0.00E+00	0.00E+00	0.00E+00	6.73E-10	1.04E-10	0.00E+00	0.00E+00	0.00E+00	1.04E-10	6.90E-11	0.00E+00	0.00E+00	0.00E+00	6.90E-11
1635	381868	3735428.4	6.81E-10	0.00E+00	0.00E+00	0.00E+00	6.81E-10	1.05E-10	0.00E+00	0.00E+00	0.00E+00	1.05E-10	6.97E-11	0.00E+00	0.00E+00	0.00E+00	6.97E-11
1636	381898	3735428.4	6.89E-10	0.00E+00	0.00E+00	0.00E+00	6.89E-10	1.06E-10	0.00E+00	0.00E+00	0.00E+00	1.06E-10	7.06E-11	0.00E+00	0.00E+00	0.00E+00	7.06E-11
1637	381298	3735458.4	5.52E-10	0.00E+00	0.00E+00	0.00E+00	5.52E-10	8.50E-11	0.00E+00	0.00E+00	0.00E+00	8.50E-11	5.65E-11	0.00E+00	0.00E+00	0.00E+00	5.65E-11
1638	381328	3735458.4	5.60E-10	0.00E+00	0.00E+00	0.00E+00	5.60E-10	8.64E-11	0.00E+00	0.00E+00	0.00E+00	8.64E-11	5.74E-11	0.00E+00	0.00E+00	0.00E+00	5.74E-11
1639	381358	3735458.4	5.69E-10	0.00E+00	0.00E+00	0.00E+00	5.69E-10	8.78E-11	0.00E+00	0.00E+00	0.00E+00	8.78E-11	5.83E-11	0.00E+00	0.00E+00	0.00E+00	5.83E-11
1640	381388	3735458.4	5.78E-10	0.00E+00	0.00E+00	0.00E+00	5.78E-10	8.92E-11	0.00E+00	0.00E+00	0.00E+00	8.92E-11	5.93E-11	0.00E+00	0.00E+00	0.00E+00	5.93E-11
1641	381418	3735458.4	5.88E-10	0.00E+00	0.00E+00	0.00E+00	5.88E-10	9.06E-11	0.00E+00	0.00E+00	0.00E+00	9.06E-11	6.02E-11	0.00E+00	0.00E+00	0.00E+00	6.02E-11
1642	381448	3735458.4	5.97E-10	0.00E+00	0.00E+00	0.00E+00	5.97E-10	9.20E-11	0.00E+00	0.00E+00	0.00E+00	9.20E-11	6.11E-11	0.00E+00	0.00E+00	0.00E+00	6.11E-11
1643	381478	3735458.4	6.06E-10	0.00E+00	0.00E+00	0.00E+00	6.06E-10	9.34E-11	0.00E+00	0.00E+00	0.00E+00	9.34E-11	6.21E-11	0.00E+00	0.00E+00	0.00E+00	6.21E-11
1644	381508	3735458.4	6.16E-10	0.00E+00	0.00E+00	0.00E+00	6.16E-10	9.49E-11	0.00E+00	0.00E+00	0.00E+00	9.49E-11	6.31E-11	0.00E+00	0.00E+00	0.00E+00	6.31E-11
1645	381538	3735458.4	6.25E-10	0.00E+00	0.00E+00	0.00E+00	6.25E-10	9.63E-11	0.00E+00	0.00E+00	0.00E+00	9.63E-11	6.40E-11	0.00E+00	0.00E+00	0.00E+00	6.40E-11
1646	381568	3735458.4	6.35E-10	0.00E+00	0.00E+00	0.00E+00	6.35E-10	9.79E-11	0.00E+00	0.00E+00	0.00E+00	9.79E-11	6.50E-11	0.00E+00	0.00E+00	0.00E+00	6.50E-11
1647	381598	3735458.4	6.45E-10	0.00E+00	0.00E+00	0.00E+00	6.45E-10	9.94E-11	0.00E+00	0.00E+00	0.00E+00	9.94E-11	6.61E-11	0.00E+00	0.00E+00	0.00E+00	6.61E-11
1648	381628	3735458.4	6.55E-10	0.00E+00	0.00E+00	0.00E+00	6.55E-10	1.01E-10	0.00E+00	0.00E+00	0.00E+00	1.01E-10	6.71E-11	0.00E+00	0.00E+00	0.00E+00	6.71E-11
1649	381658	3735458.4	6.65E-10	0.00E+00	0.00E+00	0.00E+00	6.65E-10	1.02E-10	0.00E+00	0.00E+00	0.00E+00	1.02E-10	6.81E-11	0.00E+00	0.00E+00	0.00E+00	6.81E-11
1650	381688	3735458.4	6.75E-10	0.00E+00	0.00E+00	0.00E+00	6.75E-10	1.04E-10	0.00E+00	0.00E+00	0.00E+00	1.04E-10	6.91E-11	0.00E+00	0.00E+00	0.00E+00	6.91E-11
1651	381718	3735458.4	6.84E-10	0.00E+00	0.00E+00	0.00E+00	6.84E-10	1.05E-10	0.00E+00	0.00E+00	0.00E+00	1.05E-10	7.01E-11	0.00E+00	0.00E+00	0.00E+00	7.01E-11
1652	381748	3735458.4	6.94E-10	0.00E+00	0.00E+00	0.00E+00	6.94E-10	1.07E-10	0.00E+00	0.00E+00	0.00E+00	1.07E-10	7.11E-11	0.00E+00	0.00E+00	0.00E+00	7.11E-11
1653	381778	3735458.4	7.03E-10	0.00E+00	0.00E+00	0.00E+00	7.03E-10	1.08E-10	0.00E+00	0.00E+00	0.00E+00	1.08E-10	7.20E-11	0.00E+00	0.00E+00	0.00E+00	7.20E-11
1654	381808	3735458.4	7.12E-10	0.00E+00	0.00E+00	0.00E+00	7.12E-10	1.10E-10	0.00E+00	0.00E+00	0.00E+00	1.10E-10	7.29E-11	0.00E+00	0.00E+00	0.00E+00	7.29E-11
1655	381838	3735458.4	7.19E-10	0.00E+00	0.00E+00	0.00E+00	7.19E-10	1.11E-10	0.00E+00	0.00E+00	0.00E+00	1.11E-10	7.37E-11	0.00E+00	0.00E+00	0.00E+00	7.37E-11
1656	381868	3735458.4	7.27E-10	0.00E+00	0.00E+00	0.00E+00	7.27E-10	1.12E-10	0.00E+00	0.00E+00	0.00E+00	1.12E-10	7.45E-11	0.00E+00	0.00E+00	0.00E+00	7.45E-11
1657	381240.22	3736637.59	4.79E-08	0.00E+00	0.00E+00	0.00E+00	4.79E-08	7.38E-09	0.00E+00	0.00E+00	0.00E+00	7.38E-09	4.91E-09	0.00E+00	0.00E+00	0.00E+00	4.91E-09
1658	381224.36	3736613.79	5.00E-08	0.00E+00	0.00E+00	0.00E+00	5.00E-08	7.71E-09	0.00E+00	0.00E+00	0.00E+00	7.71E-09	5.12E-09	0.00E+00	0.00E+00	0.00E+00	5.12E-09
1659	381216.43	3736595.28	4.81E-08	0.00E+00	0.00E+00	0.00E+00	4.81E-08	7.41E-09	0.00E+00	0.00E+00	0.00E+00	7.41E-09	4.93E-09	0.00E+00	0.00E+00	0.00E+00	4.93E-09
1660	381197.03	3736568.83	5.08E-08	0.00E+00	0.00E+00	0.00E+00	5.08E-08	7.83E-09	0.00E+00	0.00E+00	0.00E+00	7.83E-09	5.20E-09	0.00E+00	0.00E+00	0.00E+00	5.20E-09
1661	381186.46	3736553.85	5.20E-08	0.00E+00	0.00E+00	0.00E+00	5.20E-08	8.02E-09	0.00E+00	0.00E+00	0.00E+00	8.02E-09	5.33E-09	0.00E+00	0.00E+00	0.00E+00	5.33E-09
1662	381180.29	3736535.34	4.90E-08	0.00E+00	0.00E+00	0.00E+00	4.90E-08	7.56E-09	0.00E+00	0.00E+00	0.00E+00	7.56E-09	5.02E-09	0.00E+00	0.00E+00	0.00E+00	5.02E-09
1663	381160.01	3736511.54	5.22E-08	0.00E+00	0.00E+00	0.00E+00	5.22E-08	8.04E-09	0.00E+00	0.00E+00	0.00E+00	8.04E-09	5.34E-09	0.00E+00	0.00E+00	0.00E+00	5.34E-09
1664	381150.32	3736493.03	5.03E-08	0.00E+00	0.00E+00	0.00E+00	5.03E-08	7.75E-09	0.00E+00	0.00E+00	0.00E+00	7.75E-09	5.15E-09	0.00E+00	0.00E+00	0.00E+00	5.15E-09
1665	381130.04	3736472.76	5.32E-08	0.00E+00	0.00E+00	0.00E+00	5.32E-08	8.20E-09	0.00E+00	0.00E+00	0.00E+00	8.20E-09	5.45E-09	0.00E+00	0.00E+00	0.00E+00	5.45E-09
1666	381116.82	3736448.96	5.03E-08	0.00E+00	0.00E+00	0.00E+00	5.03E-08	7.75E-09	0.00E+00	0.00E+00	0.00E+00	7.75E-09	5.15E-09	0.00E+00	0.00E+00	0.00E+00	5.15E-09
1667	381102.72	3736430.45	4.94E-08	0.00E+00	0.00E+00	0.00E+00	4.94E-08	7.61E-09	0.00E+00	0.00E+00	0.00E+00	7.61E-09	5.06E-09	0.00E+00	0.00E+00	0.00E+00	5.06E-09
1668	381085.09	3736409.29	4.91E-08	0.00E+00	0.00E+00	0.00E+00	4.91E-08	7.57E-09	0.00E+00	0.00E+00	0.00E+00	7.57E-09	5.03E-09	0.00E+00	0.00E+00	0.00E+00	5.03E-09
1669	381070.11	3736396.07	5.22E-08	0.00E+00	0.00E+00	0.00E+00	5.22E-08	8.05E-09	0.00E+00	0.00E+00	0.00E+00	8.05E-09	5.35E-09	0.00E+00	0.00E+00	0.00E+00	5.35E-09
1670	381045.43	3736374.04	5.50E-08	0.00E+00	0.00E+00	0.00E+00	5.50E-08	8.48E-09	0.00E+00	0.00E+00	0.00E+00	8.48E-09	5.64E-09	0.00E+00	0.00E+00	0.00E+00	5.64E-09
1671	381018.1	3736350.24	5.67E-08	0.00E+00	0.00E+00	0.00E+00	5.67E-08	8.74E-09	0.00E+00	0.00E+00	0.00E+00	8.74E-09	5.81E-09	0.00E+00	0.00E+00	0.00E+00	5.81E-09
1672	381039.26	3736342.31	4.37E-08	0.00E+00	0.00E+00	0.00E+00	4.37E-08	6.74E-09	0.00E+00	0.00E+00	0.00E+00	6.74E-09	4.48E-09	0.00E+00	0.00E+00	0.00E+00	4.48E-09
1673	381064.82	3736353.76	3.90E-08	0.00E+00	0.00E+00	0.00E+00	3.90E-08	6.01E-09	0.00E+00	0.00E+00	0.00E+00	6.01E-09	3.99E-09	0.00E+00	0.00E+00	0.00E+00	3.99E-09
1674	381085.97	3736378.44	3.97E-08	0.00E+00	0.00E+00	0.00E+00	3.97E-08	6.12E-09	0.00E+00	0.00E+00	0.00E+00	6.12E-09	4.07E-09	0.00E+00	0.00E+00	0.00E+00	4.07E-09
1675	381110.65	3736409.29	3.94E-08	0.00E+00	0.00E+00	0.00E+00	3.94E-08	6.07E-09	0.00E+00	0.00E+00	0.00E+00	6.07E-09	4.03E-09	0.00E+00	0.00E+00	0.00E+00	4.03E-09
1676	381135.33	3736437.5	3.93E-08	0.00E+00	0.00E+00	0.00E+00	3.93E-08	6.06E-09	0.00E+00	0.00E+00	0.00E+00	6.06E-09	4.03E-09	0.00E+00	0.00E+00	0.00E+00	4.03E-09
1677	381149.44	3736456.01	3.94E-08	0.00E+00	0.00E+00	0.00E+00	3.94E-08	6.07E-09	0.00E+00	0.00E+00	0.00E+00	6.07E-09	4.03E-09	0.00E+00	0.00E+00	0.00E+00	4.03E-09
1678	381163.54	3736472.76	3.89E-08	0.00E+00	0.00E+00	0.00E+00	3.89E-08	6.00E-09	0.00E+00	0.00E+00	0.00E+00	6.00E-09	3.99E-09	0.00E+00	0.00E+00	0.00E+00	3.99E-09
1679	381181.17	3736499.2	3.93E-08	0.00E+00	0.00E+00	0.00E+00	3.93E-08	6.06E-09	0.00E+00	0.00E+00	0.00E+00	6.06E-09	4.03E-09	0.00E+00	0.00E+00	0.00E+00	4.03E-09
1680	381201.44	3736529.17	3.80E-08	0.00E+00	0.00E+00	0.00E+00	3.80E-08	5.86E-09	0.00E+00	0.00E+00	0.00E+00	5.86E-09	3.89E-09	0.00E+00	0.00E+00	0.00E+00	3.89E-09
1681	381220.83	3736555.61	3.63E-08	0.00E+00	0.00E+00	0.00E+00	3.63E-08	5.59E-09	0.00E+00	0.00E+00	0.00E+00	5.59E-09	3.72E-09	0.00E+00	0.00E+00	0.00E+00	3.72E-09
1682	381234.05	3736578.53	3.58E-08	0.00E+00	0.00E+00	0.00E+00	3.58E-08	5.52E-09	0.00E+00	0.00E+00	0.00E+00	5.52E-09	3.67E-09	0.00E+00	0.00E+00	0.00E+00	3.67E-09
1683	381253.45	3736597.92	3.26E-08	0.00E+00	0.00E+00	0.00E+00	3.26E-08	5.03E-09	0.00E+00	0.00E+00	0.00E+00	5.03E-09	3.34E-09	0.00E+00	0.00E+00	0.00E+00	3.34E-09
1684	381243.75	3736541.51	2.77E-08	0.00E+00	0.00E+00	0.00E+00	2.77E-08	4.28E-09	0.00E+00	0.00E+00	0.00E+00	4.28E-09	2.84E-09	0.00E+00	0.00E+00	0.00E+00	2.84E-09
1685	381225.24	3736507.13	2.80E-08	0.00E+00	0.00E+00	0.00E+00	2.80E-08	4.31E-09	0.00E+00	0.00E+00	0.00E+00	4.31E-09	2.87E-09	0.00E+00	0.00E+00	0.00E+00	2.87E-09
1686	381211.14	3736480.69	2.80E-08	0.00E+00	0.00E+00	0.00E+00	2.80E-08	4.31E-09	0.00E+00	0.00E+00	0.00E+00	4.31E-09	2.87E-09	0.00E+00	0.00E+00	0.00E+00	2.87E-09
1687	381188.22	3736451.6	2.89E-08	0.00E+00	0.00E+00	0.00E+00	2.89E-08	4.46E-09	0.00E+00	0.00E+00	0.00E+00	4.46E-09	2.96E-09	0.00E+00	0.00E+00	0.00E+00	2.96E-09
1688	381163.54	3736426.92	3.01E-08	0.00E+00	0.00E+00	0.00E+00	3.01E-08	4.64E-09	0.00E+00	0.00E+00	0.00E+00	4.64E-09	3.09E-09	0.00E+00	0.00E+00	0.00E+00	3.09E-09
1689	381147.67	3736411.94	3.08E-08	0.00E+00	0.00E+00	0.00E+00	3.08E-08	4.74E-09	0.00E+00	0.00E+00	0.00E+00	4.74E-09	3.15E-09	0.00E+00	0.00E+00	0.00E+00	3.15E-09
1690	381121.23	3736389.9	3.28E-08	0.00E+00	0.00E+00	0.00E+00	3.28E-08	5.05E-09	0.00E+00	0.00E+00	0.00E+00	5.05E-09	3.35E-09	0.00E+00	0.00E+00	0.00E+00	3.35E-09
1691	381109.77	3736372.27	3.22E-08	0.00E+00	0.00E+00	0.00E+00	3.22E-08	4.96E-09	0.00E+00	0.00E+00	0.00E+00	4.96E-09	3.29E-09	0.00E+00	0.00E+00	0.00E+00	3.29E-09
1692	381082.45	3736350.24	3.37E-08	0.00E+00	0.00E+00	0.00E+00	3.37E-08	5.20E-09	0.00E+00	0.00E+00	0.00E+00	5.20E-09	3.46E-09	0.00E+00	0.00E+00	0.00E+00	3.46E-09
1693	381063.06	3736344.07	3.68E-08	0.00E+00	0.00E+00	0.00E+00	3.68E-08	5.67E-09	0.00E+00	0.00E+00	0.00E+00	5.67E-09	3.77E-09	0.00E+00	0.00E+00	0.00E+00	3.77E-09
1694	381143.27	3736347.59	2.34E-08	0.00E+00	0.00E+00	0.00E+00	2.34E-08	3.60E-09	0.00E+00	0.00E+00	0.00E+00	3.60E-09	2.39E-09	0.00E+00	0.00E+00	0.00E+00	2.39E-09
1695	381166.18	3736378.44	2.37E-08	0.00E+00	0.00E+00	0.00E+00	2.37E-08	3.65E-09	0.00E+00	0.00E+00	0.00E+00	3.65E-09	2.42E-09	0.00E+00	0.00E+00	0.00E+00	2.42E-09
1696	381187.34	3736412.82	2.44E-08	0.00E+00	0.00E+00	0.00E+00	2.44E-08	3.76E-09	0.00E+00	0.00E+00	0.00E+00	3.76E-09	2.50E-09	0.00E+00	0.00E+00	0.00E+00	2.50E-09
1697	381218.19	3736444.55	2.31E-08	0.00E+00	0.00E+00	0.00E+00	2.31E-08	3.56E-09	0.00E+00	0.00E+00	0.00E+00	3.56E-09	2.37E-09	0.00E+00	0.00E+00	0.00E+00	2.37E-09
1698	381236.7	3736463.06	2.20E-08	0.00E+00	0.00E+00	0.00E+00	2.20E-08	3.40E-09	0.00E+00	0.00E+00	0.00E+00	3.40E-09	2.26E-09	0.00E+00	0.00E+00	0.00E+00	2.26E-09
1699	381247.28	3736485.1	2.21E-08	0.00E+00	0.00E+00	0.00E+00	2.21E-08	3.41E-09	0.00E+00	0.00E+00	0.00E+00	3.41E-09	2.27E-09	0.00E+00	0.00E+00	0.00E+00	2.27E-09
1700	382770.73	3737001.46	2.41E-10	0.00E+00	0.00E+00	0.00E+00	2.41E-10	3.72E-11	0.00E+00	0.00E+00	0.00E+00	3.72E-11	2.47E-11	0.00E+00	0.00E+00	0.00E+00	2.47E-11
1701	382710.73	3737031.46	2.48E-10	0.00E+00	0.00E+00	0.00E+00	2.48E-10	3.83E-11	0.00E+00	0.00E+00	0.00E+00	3.83E-11	2.54E-11	0.00E+00	0.00E+00	0.00E+00	2.54E-11
1702	382740.73	3737031.46	2.41E-10	0.00E+00	0.00E+00	0.00E+00	2.41E-10	3.71E-11	0.00E+00	0.00E+00	0.00E+00	3.71E-11	2.47E-11	0.00E+00	0.00E+00	0.00E+00	2.47E-11
1703	382770.73	3737031.46	2.34E-10	0.00E+00	0.00E+00	0.00E+00	2.34E-10	3.60E-11	0.00E+00	0.00E+00	0.00E+00	3.60E-11	2.39E-11	0.00E+00	0.00E+00	0.00E+00	2.39E-11
1704	382650.73	3737061.46	2.57E-10	0.00E+00	0.00E+00	0.00E+00	2.57E-10	3.96E-11	0.00E+00	0.00E+00	0.00E+00	3.96E-11	2.63E-11	0.00E+00	0.00E+00	0.00E+00	2.63E-11
1705	382680.73	3737061.46	2.48E-10	0.00E+00	0.00E+00	0.00E+00	2.48E-10	3.83E-11	0.00E+00	0.00E+00	0.00E+00	3.83E-11	2.54E-11	0.00E+00	0.00E+00	0.00E+00	2.54E-11
1706	382710.73	3737061.46	2.41E-10	0.00E+00	0.00E+00	0.00E+00	2.41E-10	3.71E-11	0.00E+00	0.00E+00	0.00E+00	3.71E-11	2.47E-11	0.00E+00	0.00E+00	0.00E+00	2.47E-11
1707	382740.73	3737061.46	2.33E-10	0.00E+00	0.00E+00	0.00E+00	2.33E-10	3.60E-11	0.00E+00	0.00E+00	0.00E+00	3.60E-11	2.39E-11	0.00E+00	0.00E+00	0.00E+00	2.39E-11
1708	382770.73	3737061.46	2.27E-10	0.00E+00	0.00E+00	0.00E+00	2.27E-10	3.49E-11	0.00E+00	0.00E+00	0.00E+00	3.49E-11	2.32E-11	0.00E+00	0.00E+00	0.00E+00	2.32E-11

1709	382560.73	3737091.46	2.76E-10	0.00E+00	0.00E+00	0.00E+00	2.76E-10	4.26E-11	0.00E+00	0.00E+00	0.00E+00	4.26E-11	2.83E-11	0.00E+00	0.00E+00	0.00E+00	2.83E-11
1710	382590.73	3737091.46	2.67E-10	0.00E+00	0.00E+00	0.00E+00	2.67E-10	4.11E-11	0.00E+00	0.00E+00	0.00E+00	4.11E-11	2.73E-11	0.00E+00	0.00E+00	0.00E+00	2.73E-11
1711	382620.73	3737091.46	2.58E-10	0.00E+00	0.00E+00	0.00E+00	2.58E-10	3.97E-11	0.00E+00	0.00E+00	0.00E+00	3.97E-11	2.64E-11	0.00E+00	0.00E+00	0.00E+00	2.64E-11
1712	382650.73	3737091.46	2.49E-10	0.00E+00	0.00E+00	0.00E+00	2.49E-10	3.84E-11	0.00E+00	0.00E+00	0.00E+00	3.84E-11	2.55E-11	0.00E+00	0.00E+00	0.00E+00	2.55E-11
1713	382680.73	3737091.46	2.41E-10	0.00E+00	0.00E+00	0.00E+00	2.41E-10	3.72E-11	0.00E+00	0.00E+00	0.00E+00	3.72E-11	2.47E-11	0.00E+00	0.00E+00	0.00E+00	2.47E-11
1714	382710.73	3737091.46	2.34E-10	0.00E+00	0.00E+00	0.00E+00	2.34E-10	3.60E-11	0.00E+00	0.00E+00	0.00E+00	3.60E-11	2.39E-11	0.00E+00	0.00E+00	0.00E+00	2.39E-11
1715	382740.73	3737091.46	2.27E-10	0.00E+00	0.00E+00	0.00E+00	2.27E-10	3.49E-11	0.00E+00	0.00E+00	0.00E+00	3.49E-11	2.32E-11	0.00E+00	0.00E+00	0.00E+00	2.32E-11
1716	382770.73	3737091.46	2.20E-10	0.00E+00	0.00E+00	0.00E+00	2.20E-10	3.39E-11	0.00E+00	0.00E+00	0.00E+00	3.39E-11	2.25E-11	0.00E+00	0.00E+00	0.00E+00	2.25E-11
1717	382500.73	3737121.46	2.90E-10	0.00E+00	0.00E+00	0.00E+00	2.90E-10	4.46E-11	0.00E+00	0.00E+00	0.00E+00	4.46E-11	2.97E-11	0.00E+00	0.00E+00	0.00E+00	2.97E-11
1718	382530.73	3737121.46	2.79E-10	0.00E+00	0.00E+00	0.00E+00	2.79E-10	4.30E-11	0.00E+00	0.00E+00	0.00E+00	4.30E-11	2.86E-11	0.00E+00	0.00E+00	0.00E+00	2.86E-11
1719	382560.73	3737121.46	2.69E-10	0.00E+00	0.00E+00	0.00E+00	2.69E-10	4.14E-11	0.00E+00	0.00E+00	0.00E+00	4.14E-11	2.75E-11	0.00E+00	0.00E+00	0.00E+00	2.75E-11
1720	382590.73	3737121.46	2.59E-10	0.00E+00	0.00E+00	0.00E+00	2.59E-10	4.00E-11	0.00E+00	0.00E+00	0.00E+00	4.00E-11	2.66E-11	0.00E+00	0.00E+00	0.00E+00	2.66E-11
1721	382620.73	3737121.46	2.51E-10	0.00E+00	0.00E+00	0.00E+00	2.51E-10	3.87E-11	0.00E+00	0.00E+00	0.00E+00	3.87E-11	2.57E-11	0.00E+00	0.00E+00	0.00E+00	2.57E-11
1722	382650.73	3737121.46	2.43E-10	0.00E+00	0.00E+00	0.00E+00	2.43E-10	3.74E-11	0.00E+00	0.00E+00	0.00E+00	3.74E-11	2.48E-11	0.00E+00	0.00E+00	0.00E+00	2.48E-11
1723	382680.73	3737121.46	2.34E-10	0.00E+00	0.00E+00	0.00E+00	2.34E-10	3.61E-11	0.00E+00	0.00E+00	0.00E+00	3.61E-11	2.40E-11	0.00E+00	0.00E+00	0.00E+00	2.40E-11
1724	382710.73	3737121.46	2.27E-10	0.00E+00	0.00E+00	0.00E+00	2.27E-10	3.51E-11	0.00E+00	0.00E+00	0.00E+00	3.51E-11	2.33E-11	0.00E+00	0.00E+00	0.00E+00	2.33E-11
1725	382440.73	3737151.46	3.06E-10	0.00E+00	0.00E+00	0.00E+00	3.06E-10	4.72E-11	0.00E+00	0.00E+00	0.00E+00	4.72E-11	3.14E-11	0.00E+00	0.00E+00	0.00E+00	3.14E-11
1726	382470.73	3737151.46	2.94E-10	0.00E+00	0.00E+00	0.00E+00	2.94E-10	4.53E-11	0.00E+00	0.00E+00	0.00E+00	4.53E-11	3.01E-11	0.00E+00	0.00E+00	0.00E+00	3.01E-11
1727	382500.73	3737151.46	2.83E-10	0.00E+00	0.00E+00	0.00E+00	2.83E-10	4.36E-11	0.00E+00	0.00E+00	0.00E+00	4.36E-11	2.90E-11	0.00E+00	0.00E+00	0.00E+00	2.90E-11
1728	382530.73	3737151.46	2.72E-10	0.00E+00	0.00E+00	0.00E+00	2.72E-10	4.20E-11	0.00E+00	0.00E+00	0.00E+00	4.20E-11	2.79E-11	0.00E+00	0.00E+00	0.00E+00	2.79E-11
1729	382560.73	3737151.46	2.62E-10	0.00E+00	0.00E+00	0.00E+00	2.62E-10	4.04E-11	0.00E+00	0.00E+00	0.00E+00	4.04E-11	2.69E-11	0.00E+00	0.00E+00	0.00E+00	2.69E-11
1730	382590.73	3737151.46	2.53E-10	0.00E+00	0.00E+00	0.00E+00	2.53E-10	3.90E-11	0.00E+00	0.00E+00	0.00E+00	3.90E-11	2.59E-11	0.00E+00	0.00E+00	0.00E+00	2.59E-11
1731	382620.73	3737151.46	2.45E-10	0.00E+00	0.00E+00	0.00E+00	2.45E-10	3.77E-11	0.00E+00	0.00E+00	0.00E+00	3.77E-11	2.51E-11	0.00E+00	0.00E+00	0.00E+00	2.51E-11
1732	382650.73	3737151.46	2.36E-10	0.00E+00	0.00E+00	0.00E+00	2.36E-10	3.64E-11	0.00E+00	0.00E+00	0.00E+00	3.64E-11	2.42E-11	0.00E+00	0.00E+00	0.00E+00	2.42E-11
1733	382380.73	3737181.46	3.27E-10	0.00E+00	0.00E+00	0.00E+00	3.27E-10	5.05E-11	0.00E+00	0.00E+00	0.00E+00	5.05E-11	3.35E-11	0.00E+00	0.00E+00	0.00E+00	3.35E-11
1734	382410.73	3737181.46	3.13E-10	0.00E+00	0.00E+00	0.00E+00	3.13E-10	4.83E-11	0.00E+00	0.00E+00	0.00E+00	4.83E-11	3.21E-11	0.00E+00	0.00E+00	0.00E+00	3.21E-11
1735	382440.73	3737181.46	3.00E-10	0.00E+00	0.00E+00	0.00E+00	3.00E-10	4.63E-11	0.00E+00	0.00E+00	0.00E+00	4.63E-11	3.08E-11	0.00E+00	0.00E+00	0.00E+00	3.08E-11
1736	382470.73	3737181.46	2.88E-10	0.00E+00	0.00E+00	0.00E+00	2.88E-10	4.44E-11	0.00E+00	0.00E+00	0.00E+00	4.44E-11	2.95E-11	0.00E+00	0.00E+00	0.00E+00	2.95E-11
1737	382500.73	3737181.46	2.77E-10	0.00E+00	0.00E+00	0.00E+00	2.77E-10	4.27E-11	0.00E+00	0.00E+00	0.00E+00	4.27E-11	2.84E-11	0.00E+00	0.00E+00	0.00E+00	2.84E-11
1738	382530.73	3737181.46	2.67E-10	0.00E+00	0.00E+00	0.00E+00	2.67E-10	4.11E-11	0.00E+00	0.00E+00	0.00E+00	4.11E-11	2.73E-11	0.00E+00	0.00E+00	0.00E+00	2.73E-11
1739	382560.73	3737181.46	2.57E-10	0.00E+00	0.00E+00	0.00E+00	2.57E-10	3.96E-11	0.00E+00	0.00E+00	0.00E+00	3.96E-11	2.63E-11	0.00E+00	0.00E+00	0.00E+00	2.63E-11
1740	382590.73	3737181.46	2.48E-10	0.00E+00	0.00E+00	0.00E+00	2.48E-10	3.82E-11	0.00E+00	0.00E+00	0.00E+00	3.82E-11	2.54E-11	0.00E+00	0.00E+00	0.00E+00	2.54E-11
1741	381476.72	3735113.39	3.40E-10	0.00E+00	0.00E+00	0.00E+00	3.40E-10	5.24E-11	0.00E+00	0.00E+00	0.00E+00	5.24E-11	3.48E-11	0.00E+00	0.00E+00	0.00E+00	3.48E-11
1742	381490.83	3735122.21	3.46E-10	0.00E+00	0.00E+00	0.00E+00	3.46E-10	5.33E-11	0.00E+00	0.00E+00	0.00E+00	5.33E-11	3.54E-11	0.00E+00	0.00E+00	0.00E+00	3.54E-11
1743	381566.66	3735146.9	3.67E-10	0.00E+00	0.00E+00	0.00E+00	3.67E-10	5.65E-11	0.00E+00	0.00E+00	0.00E+00	5.65E-11	3.75E-11	0.00E+00	0.00E+00	0.00E+00	3.75E-11
1744	381587.82	3735161.01	3.77E-10	0.00E+00	0.00E+00	0.00E+00	3.77E-10	5.80E-11	0.00E+00	0.00E+00	0.00E+00	5.80E-11	3.86E-11	0.00E+00	0.00E+00	0.00E+00	3.86E-11
1745	381646.02	3734944.97	2.94E-10	0.00E+00	0.00E+00	0.00E+00	2.94E-10	4.53E-11	0.00E+00	0.00E+00	0.00E+00	4.53E-11	3.01E-11	0.00E+00	0.00E+00	0.00E+00	3.01E-11
1746	381676.88	3734934.39	2.93E-10	0.00E+00	0.00E+00	0.00E+00	2.93E-10	4.51E-11	0.00E+00	0.00E+00	0.00E+00	4.51E-11	3.00E-11	0.00E+00	0.00E+00	0.00E+00	3.00E-11
1747	381698.04	3734918.52	2.90E-10	0.00E+00	0.00E+00	0.00E+00	2.90E-10	4.46E-11	0.00E+00	0.00E+00	0.00E+00	4.46E-11	2.97E-11	0.00E+00	0.00E+00	0.00E+00	2.97E-11
1748	381713.03	3734911.47	2.89E-10	0.00E+00	0.00E+00	0.00E+00	2.89E-10	4.46E-11	0.00E+00	0.00E+00	0.00E+00	4.46E-11	2.96E-11	0.00E+00	0.00E+00	0.00E+00	2.96E-11
1749	381727.14	3734900	2.87E-10	0.00E+00	0.00E+00	0.00E+00	2.87E-10	4.43E-11	0.00E+00	0.00E+00	0.00E+00	4.43E-11	2.94E-11	0.00E+00	0.00E+00	0.00E+00	2.94E-11
1750	381758	3734882.37	2.84E-10	0.00E+00	0.00E+00	0.00E+00	2.84E-10	4.38E-11	0.00E+00	0.00E+00	0.00E+00	4.38E-11	2.91E-11	0.00E+00	0.00E+00	0.00E+00	2.91E-11
1751	381777.4	3734870.91	2.78E-10	0.00E+00	0.00E+00	0.00E+00	2.78E-10	4.29E-11	0.00E+00	0.00E+00	0.00E+00	4.29E-11	2.85E-11	0.00E+00	0.00E+00	0.00E+00	2.85E-11
1752	381805.62	3734854.15	2.74E-10	0.00E+00	0.00E+00	0.00E+00	2.74E-10	4.23E-11	0.00E+00	0.00E+00	0.00E+00	4.23E-11	2.81E-11	0.00E+00	0.00E+00	0.00E+00	2.81E-11
1753	381842.65	3734833.87	2.77E-10	0.00E+00	0.00E+00	0.00E+00	2.77E-10	4.26E-11	0.00E+00	0.00E+00	0.00E+00	4.26E-11	2.83E-11	0.00E+00	0.00E+00	0.00E+00	2.83E-11
1754	381663.65	3734913.23	2.85E-10	0.00E+00	0.00E+00	0.00E+00	2.85E-10	4.39E-11	0.00E+00	0.00E+00	0.00E+00	4.39E-11	2.92E-11	0.00E+00	0.00E+00	0.00E+00	2.92E-11
1755	381373.82	3737708.4	3.05E-09	0.00E+00	0.00E+00	0.00E+00	3.05E-09	4.70E-10	0.00E+00	0.00E+00	0.00E+00	4.70E-10	3.12E-10	0.00E+00	0.00E+00	0.00E+00	3.12E-10
1756	381427.53	3737740.14	2.81E-09	0.00E+00	0.00E+00	0.00E+00	2.81E-09	4.32E-10	0.00E+00	0.00E+00	0.00E+00	4.32E-10	2.87E-10	0.00E+00	0.00E+00	0.00E+00	2.87E-10
1757	381438.51	3737766.99	2.66E-09	0.00E+00	0.00E+00	0.00E+00	2.66E-09	4.10E-10	0.00E+00	0.00E+00	0.00E+00	4.10E-10	2.73E-10	0.00E+00	0.00E+00	0.00E+00	2.73E-10
1758	381395.79	3737762.11	2.76E-09	0.00E+00	0.00E+00	0.00E+00	2.76E-09	4.25E-10	0.00E+00	0.00E+00	0.00E+00	4.25E-10	2.83E-10	0.00E+00	0.00E+00	0.00E+00	2.83E-10
1759	381337.2	3737664.46	3.31E-09	0.00E+00	0.00E+00	0.00E+00	3.31E-09	5.11E-10	0.00E+00	0.00E+00	0.00E+00	5.11E-10	3.39E-10	0.00E+00	0.00E+00	0.00E+00	3.39E-10
1760	381328.66	3737704.74	3.05E-09	0.00E+00	0.00E+00	0.00E+00	3.05E-09	4.70E-10	0.00E+00	0.00E+00	0.00E+00	4.70E-10	3.12E-10	0.00E+00	0.00E+00	0.00E+00	3.12E-10
1761	381267.63	3737726.71	2.84E-09	0.00E+00	0.00E+00	0.00E+00	2.84E-09	4.38E-10	0.00E+00	0.00E+00	0.00E+00	4.38E-10	2.91E-10	0.00E+00	0.00E+00	0.00E+00	2.91E-10
1762	381206.6	3737707.18	2.78E-09	0.00E+00	0.00E+00	0.00E+00	2.78E-09	4.29E-10	0.00E+00	0.00E+00	0.00E+00	4.29E-10	2.85E-10	0.00E+00	0.00E+00	0.00E+00	2.85E-10
1763	381332.32	3737745.02	2.84E-09	0.00E+00	0.00E+00	0.00E+00	2.84E-09	4.38E-10	0.00E+00	0.00E+00	0.00E+00	4.38E-10	2.91E-10	0.00E+00	0.00E+00	0.00E+00	2.91E-10
1764	381366.5	3737734.04	2.91E-09	0.00E+00	0.00E+00	0.00E+00	2.91E-09	4.49E-10	0.00E+00	0.00E+00	0.00E+00	4.49E-10	2.98E-10	0.00E+00	0.00E+00	0.00E+00	2.98E-10
1765	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1766	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1767	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1768	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1769	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1770	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1771	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1772	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1773	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1774	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1775	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1776	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1777	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1778	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1779	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1780	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1781	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1782	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1783	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1784	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1785	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1786	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1787	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1788	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1789	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1790	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1791	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1792	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1793	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1794	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1795	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1796	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1797	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1798	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1799	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1800	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1801	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1802	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1803	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1804	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1805	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1806	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1807	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1808	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1809	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1810	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1811	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1812	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1813	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1814	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1815	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1816	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1817	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1818	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1819	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1820	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1821	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1822	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1823	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1824	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1825	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1826	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1827	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1828	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1829	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1830	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1831	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1832	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1833	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1834	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1835	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1836	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1837	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1838	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1839	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1840	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1841	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1842	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1843	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1844	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1845	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1846	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1847	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1848	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1849	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1850	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1851	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1852	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1853	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1854	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1855	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1856	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1857	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1858	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1859	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1860	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1861	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1862	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1863	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1864	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1865	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1866	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1867	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1868	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1869	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1870	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1871	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1872	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1873	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1874	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1875	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1876	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1877	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1878	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1879	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1880	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1881	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1882	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1883	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1884	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1885	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1886	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1887	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1888	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1889	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1890	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1891	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1892	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1893	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1894	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1895	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1896	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1897	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1898	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1899	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1900	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1901	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1902	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1903	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1904	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1905	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1906	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1907	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1908	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1909	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1910	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1911	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1912	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1913	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1914	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1915	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1916	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1917	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1918	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1919	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1920	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1921	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1922	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1923	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1924	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1925	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1926	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1927	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1928	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1929	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1930	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1931	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1932	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1933	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1934	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1935	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1936	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1937	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1938	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1939	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1940	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1941	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1942	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1943	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1944	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1945	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1946	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1947	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1948	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1949	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1950	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1951	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1952	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1953	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1954	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1955	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1956	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1957	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1958	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1959	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1960	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1961	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1962	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1963	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1964	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1965	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1966	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1967	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1968	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1969	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1970	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1971	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1972	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1973	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1974	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1975	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1976	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1977	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1978	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1979	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1980	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1981	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1982	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1983	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1984	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1985	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1986	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1987	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1988	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1989	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1990	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1991	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1992	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1993	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1994	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1995	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1996	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1997	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1998	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1999	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2000	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2001	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2002	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2003	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2004	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2005	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2006	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2007	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2008	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2009	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2010	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2011	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2012	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2013	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2014	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2015	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2016	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2017	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2018	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2019	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2020	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2021	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2022	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2023	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2024	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2025	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2026	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2027	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2028	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2029	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2030	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2031	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2032	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2033	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2034	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2035	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2036	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2037	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2038	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2039	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2040	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2041	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2042	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2043	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2044	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2045	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2046	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2047	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2048	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2049	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2050	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2051	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2052	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2053	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2054	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2055	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2056	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2057	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2058	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2059	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2060	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2061	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2062	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2063	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2064	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2065	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2066	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2067	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2068	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2069	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2070	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2071	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2072	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2073	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2074	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2075	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2076	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2077	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2078	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2079	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2080	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2081	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2082	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2083	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2084	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2085	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2086	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2087	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2088	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2089	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2090	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2091	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2092	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2093	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2094	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2095	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2096	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2097	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2098	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2099	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2100	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2101	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2102	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2103	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2104	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2105	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2106	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2107	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2108	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2109	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2110	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2111	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2112	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2113	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2114	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2115	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2116	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2117	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2118	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2119	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2120	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2121	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2122	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2123	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2124	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2125	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2126	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2127	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2128	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2129	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2130	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2131	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2132	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2133	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2134	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2135	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2136	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2137	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2138	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2139	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2140	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2141	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2142	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2143	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2144	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2145	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2146	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2147	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2148	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2149	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2150	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2151	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2152	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2153	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2154	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2155	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2156	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2157	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2158	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2159	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2160	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2161	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2162	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2163	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2164	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2165	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2166	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2167	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2168	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2169	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2170	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2171	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2172	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2173	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2174	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2175	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2176	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2177	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2178	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2179	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2180	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2181	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2182	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2183	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2184	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2185	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2186	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2187	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2188	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2189	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2190	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2191	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2192	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2193	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2194	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2195	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2196	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2197	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2198	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2199	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2200	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2201	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2202	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2203	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2204	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2205	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2206	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2207	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2208	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2209	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2210	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2211	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2212	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2213	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2214	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2215	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2216	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2217	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2218	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2219	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2220	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2221	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2222	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2223	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2224	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2225	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2226	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2227	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2228	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2229	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2230	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2231	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2232	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2233	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2234	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2235	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2236	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2237	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2238	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2239	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2240	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2241	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2242	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2243	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2244	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2245	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2246	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2247	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2248	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2249	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2250	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2251	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2252	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2253	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2254	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2255	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2256	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2257	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2258	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2259	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2260	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2261	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2262	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2263	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2264	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2265	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2266	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2267	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2268	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2269	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2270	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2271	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2272	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2273	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2274	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2275	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2276	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2277	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2278	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2279	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2280	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2281	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2282	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2283	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2284	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2285	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2286	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2287	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2288	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2289	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2290	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2291	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2292	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2293	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2294	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2295	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2296	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2297	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2298	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2299	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2300	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2301	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2302	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2303	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2304	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2305	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2306	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2307	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2308	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2309	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2310	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2311	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2312	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2313	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2314	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2315	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2316	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2317	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2318	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2319	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2320	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2321	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2322	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2323	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2324	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2325	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2326	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2327	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2328	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2329	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2330	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2331	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2332	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2333	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2334	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2335	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2336	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2337	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2338	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2339	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2340	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2341	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2342	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2343	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2344	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2345	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2346	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2347	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2348	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2349	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2350	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2351	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2352	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2353	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2354	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2355	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2356	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2357	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2358	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2359	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2360	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2361	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2362	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2363	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2364	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2365	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2366	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2367	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2368	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2369	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2370	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2371	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2372	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2373	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2374	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2375	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2376	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2377	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2378	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2379	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2380	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2381	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2382	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2383	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2384	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2385	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2386	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2387	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2388	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2389	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2390	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2391	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2392	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2393	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2394	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2395	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2396	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2397	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2398	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2399	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2400	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2401	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2402	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2403	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2404	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2405	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2406	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2407	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2408	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2409	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2410	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2411	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2412	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2413	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2414	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2415	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2416	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2417	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2418	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2419	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2420	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2421	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2422	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2423	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2424	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2425	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2426	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2427	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2428	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2429	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2430	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2431	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2432	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2433	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2434	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2435	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2436	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2437	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2438	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2439	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2440	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2441	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2442	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2443	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2444	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2445	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2446	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2447	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2448	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2449	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2450	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2451	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2452	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2453	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2454	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2455	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2456	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2457	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2458	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2459	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2460	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2461	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2462	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2463	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2464	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2465	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2466	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2467	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2468	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2469	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2470	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2471	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2472	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2473	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2474	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2475	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2476	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2477	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2478	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2479	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2480	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2481	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2482	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2483	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2484	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2485	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2486	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2487	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2488	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2489	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2490	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2491	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2492	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2493	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2494	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2495	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2496	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2497	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2498	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2499	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2500	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2501	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2502	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2503	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2504	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2505	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2506	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2507	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2508	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2509	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2510	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2511	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2512	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2513	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2514	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2515	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2516	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2517	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2518	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2519	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2520	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2521	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2522	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2523	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2524	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2525	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2526	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2527	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2528	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2529	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2530	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2531	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2532	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2533	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2534	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2535	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2536	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2537	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2538	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2539	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2540	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2541	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2542	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2543	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2544	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2545	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2546	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2547	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2548	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2549	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2550	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2551	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2552	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2553	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2554	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2555	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2556	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2557	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2558	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2559	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2560	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2561	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2562	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2563	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2564	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2565	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2566	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2567	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2568	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2569	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2570	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2571	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2572	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2573	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2574	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2575	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2576	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2577	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2578	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2579	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2580	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2581	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2582	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2583	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2584	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2585	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2586	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2587	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2588	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2589	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2590	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2591	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2592	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2593	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2594	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2595	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2596	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2597	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2598	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2599	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2600	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2601	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2602	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2603	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2604	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2605	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2606	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2607	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2608	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2609	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2610	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2611	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2612	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2613	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2614	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2615	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2616	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2617	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2618	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2619	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2620	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2621	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2622	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2623	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2624	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2625	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2626	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2627	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2628	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2629	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2630	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2631	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2632	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2633	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2634	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2635	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2636	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2637	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2638	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2639	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2640	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2641	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2642	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2643	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2644	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2645	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2646	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2647	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2648	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2649	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2650	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2651	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2652	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2653	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2654	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2655	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2656	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2657	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2658	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2659	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2660	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2661	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2662	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2663	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2664	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2665	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2666	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2667	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2668	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2669	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2670	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2671	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2672	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2673	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2674	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2675	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2676	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2677	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2678	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2679	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2680	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2681	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2682	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2683	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2684	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2685	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2686	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2687	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2688	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2689	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2690	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2691	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2692	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2693	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2694	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2695	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2696	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2697	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2698	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2699	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2700	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2701	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2702	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2703	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2704	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2705	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2706	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2707	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2708	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2709	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2710	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2711	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2712	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2713	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2714	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2715	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2716	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2717	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2718	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2719	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2720	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2721	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2722	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2723	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2724	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2725	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2726	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2727	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2728	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2729	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2730	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2731	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2732	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2733	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2734	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2735	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2736	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2737	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2738	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2739	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2740	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2741	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2742	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2743	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2744	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2745	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2746	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2747	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2748	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2749	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2750	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2751	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2752	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2753	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2754	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2755	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2756	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2757	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2758	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2759	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2760	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2761	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2762	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2763	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2764	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2765	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2766	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2767	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2768	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2769	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2770	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2771	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2772	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2773	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2774	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2775	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2776	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2777	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2778	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2779	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2780	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2781	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2782	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2783	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2784	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2785	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2786	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2787	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2788	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2789	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2790	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2791	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2792	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2793	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2794	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2795	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2796	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2797	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2798	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2799	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2800	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2801	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2802	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2803	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2804	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2805	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2806	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2807	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2808	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2809	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2810	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2811	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2812	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2813	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2814	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2815	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2816	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2817	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2818	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2819	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2820	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2821	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2822	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2823	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2824	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2825	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2826	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2827	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2828	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2829	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2830	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2831	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2832	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2833	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2834	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2835	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2836	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2837	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2838	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2839	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2840	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2841	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2842	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2843	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2844	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2845	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2846	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2847	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2848	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2849	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2850	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2851	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2852	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2853	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2854	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2855	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2856	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2857	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2858	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2859	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2860	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2861	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2862	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2863	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2864	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2865	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2866	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2867	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2868	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2869	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2870	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2871	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2872	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2873	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2874	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2875	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2876	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2877	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2878	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2879	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2880	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2881	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2882	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2883	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2884	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2885	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2886	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2887	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2888	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2889	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2890	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2891	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2892	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2893	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2894	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2895	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2896	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2897	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2898	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2899	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2900	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2901	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2902	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2903	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2904	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2905	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2906	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2907	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2908	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2909	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2910	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2911	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2912	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2913	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2914	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2915	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2916	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2917	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2918	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2919	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2920	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2921	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2922	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2923	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2924	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2925	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2926	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2927	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2928	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2929	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2930	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2931	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2932	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2933	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2934	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2935	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2936	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2937	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2938	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2939	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2940	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2941	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2942	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2943	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2944	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2945	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2946	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2947	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2948	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2949	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2950	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2951	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2952	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2953	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2954	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2955	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2956	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2957	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2958	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2959	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2960	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2961	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2962	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2963	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2964	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2965	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2966	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2967	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2968	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2969	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2970	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2971	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2972	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2973	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2974	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2975	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2976	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2977	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2978	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2979	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2980	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2981	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2982	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2983	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2984	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2985	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2986	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2987	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2988	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2989	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2990	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2991	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2992	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2993	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2994	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2995	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2996	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2997	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2998	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2999	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3000	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3001	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3002	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3003	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3004	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3005	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3006	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3007	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3008	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3009	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3010	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3011	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3012	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3013	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3014	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3015	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3016	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3017	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3018	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3019	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3020	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3021	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3022	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3023	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3024	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3025	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3026	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3027	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3028	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3029	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3030	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3031	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3032	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3033	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3034	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3035	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3036	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3037	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3038	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3039	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3040	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3041	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3042	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3043	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3044	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3045	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3046	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3047	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3048	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3049	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3050	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3051	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3052	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3053	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3054	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3055	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3056	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3057	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3058	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3059	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3060	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3061	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3062	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3063	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3064	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3065	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3066	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3067	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3068	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3069	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3070	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3071	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3072	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3073	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3074	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3075	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3076	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3077	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3078	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3079	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3080	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3081	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3082	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3083	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3084	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3085	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3086	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3087	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3088	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3089	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3090	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3091	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3092	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3093	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3094	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3095	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3096	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3097	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3098	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3099	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3100	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3101	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3102	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3103	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3104	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3105	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3106	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3107	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3108	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3109	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3110	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3111	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3112	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3113	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3114	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3115	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3116	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3117	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3118	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3119	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3120	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3121	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3122	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3123	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3124	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3125	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3126	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3127	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3128	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3129	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3130	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3131	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3132	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3133	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3134	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3135	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3136	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3137	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3138	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3139	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3140	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3141	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3142	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3143	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3144	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3145	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3146	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3147	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3148	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3149	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3150	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3151	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3152	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3153	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3154	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3155	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3156	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3157	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3158	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3159	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3160	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3161	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3162	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3163	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3164	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3165	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3166	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3167	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3168	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3169	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3170	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3171	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3172	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3173	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3174	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3175	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3176	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3177	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3178	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3179	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3180	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3181	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3182	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3183	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3184	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3185	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3186	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3187	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3188	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3189	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3190	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3191	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3192	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3193	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3194	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3195	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3196	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3197	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3198	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3199	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3200	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3201	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3202	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3203	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3204	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3205	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3206	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3207	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3208	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3209	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3210	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3211	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3212	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3213	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3214	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3215	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3216	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3217	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3218	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3219	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3220	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3221	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3222	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3223	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3224	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3225	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3226	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3227	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3228	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3229	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3230	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3231	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3232	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3233	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3234	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3235	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3236	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3237	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3238	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3239	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3240	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3241	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3242	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3243	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3244	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3245	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3246	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3247	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3248	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3249	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3250	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3251	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3252	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3253	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3254	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3255	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3256	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3257	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3258	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3259	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3260	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3261	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3262	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3263	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3264	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3265	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3266	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3267	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3268	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3269	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3270	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3271	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3272	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3273	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3274	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3275	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3276	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3277	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3278	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3279	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3280	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3281	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3282	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3283	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3284	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3285	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3286	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3287	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3288	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3289	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3290	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3291	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3292	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3293	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3294	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3295	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3296	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3297	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3298	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3299	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3300	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3301	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3302	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3303	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3304	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3305	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3306	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3307	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3308	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3309	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3310	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3311	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3312	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3313	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3314	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3315	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3316	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3317	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3318	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3319	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3320	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3321	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3322	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3323	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3324	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3325	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3326	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3327	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3328	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3329	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3330	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3331	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3332	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3333	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3334	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3335	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3336	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3337	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3338	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3339	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3340	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3341	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3342	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3343	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3344	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3345	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3346	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3347	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3348	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3349	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3350	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3351	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3352	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3353	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3354	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3355	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3356	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3357	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3358	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3359	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3360	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3361	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3362	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3363	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3364	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3365	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3366	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3367	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3368	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3369	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3370	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3371	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3372	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3373	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3374	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3375	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3376	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3377	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3378	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3379	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3380	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3381	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3382	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3383	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3384	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3385	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3386	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3387	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3388	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3389	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3390	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3391	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3392	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3393	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3394	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3395	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3396	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3397	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3398	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3399	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3400	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3401	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3402	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3403	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3404	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3405	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3406	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3407	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3408	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3409	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3410	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3411	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3412	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3413	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3414	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3415	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3416	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3417	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3418	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3419	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3420	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3421	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3422	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3423	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3424	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3425	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3426	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3427	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3428	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3429	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3430	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3431	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3432	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3433	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3434	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3435	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3436	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3437	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3438	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3439	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3440	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3441	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3442	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3443	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3444	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3445	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3446	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3447	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3448	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3449	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3450	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3451	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3452	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3453	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3454	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3455	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3456	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3457	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3458	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3459	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3460	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3461	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3462	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3463	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3464	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3465	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3466	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3467	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3468	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3469	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3470	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3471	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3472	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3473	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3474	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3475	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3476	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3477	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3478	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3479	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3480	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3481	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3482	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3483	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3484	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3485	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3486	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3487	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3488	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3489	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3490	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3491	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3492	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3493	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3494	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3495	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3496	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3497	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3498	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3499	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3500	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3501	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3502	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3503	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3504	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3505	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3506	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3507	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3508	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3509	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3510	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3511	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3512	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3513	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3514	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3515	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3516	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3517	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3518	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3519	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3520	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3521	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3522	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3523	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3524	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3525	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3526	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3527	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3528	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3529	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3530	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3531	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3532	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3533	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3534	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3535	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3536	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3537	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3538	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3539	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3540	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3541	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3542	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3543	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3544	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3545	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3546	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3547	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3548	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3549	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3550	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3551	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3552	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3553	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3554	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3555	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3556	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3557	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3558	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3559	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3560	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3561	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3562	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3563	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3564	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3565	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3566	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3567	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3568	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3569	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3570	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3571	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3572	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3573	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3574	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3575	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3576	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3577	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3578	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3579	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3580	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3581	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3582	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3583	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3584	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3585	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3586	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3587	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3588	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3589	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3590	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3591	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3592	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3593	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3594	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3595	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3596	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3597	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3598	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3599	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3600	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3601	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3602	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3603	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3604	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3605	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3606	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3607	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3608	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3609	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3610	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3611	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3612	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3613	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3614	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3615	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3616	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3617	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3618	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3619	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3620	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3621	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3622	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3623	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3624	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3625	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3626	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3627	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3628	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3629	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3630	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3631	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3632	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3633	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3634	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3635	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3636	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3637	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3638	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3639	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3640	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3641	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3642	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3643	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3644	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3645	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3646	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3647	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3648	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3649	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3650	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3651	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3652	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3653	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3654	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3655	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3656	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3657	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3658	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3659	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3660	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3661	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3662	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3663	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3664	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3665	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3666	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3667	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3668	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3669	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3670	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3671	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3672	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3673	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3674	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3675	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3676	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3677	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3678	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3679	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3680	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3681	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3682	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3683	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3684	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3685	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3686	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3687	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3688	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3689	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3690	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3691	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3692	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3693	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3694	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3695	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3696	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3697	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3698	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3699	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3700	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3701	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3702	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3703	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3704	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3705	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3706	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3707	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3708	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3709	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3710	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3711	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3712	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3713	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3714	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3715	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3716	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3717	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3718	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3719	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3720	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3721	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3722	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3723	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3724	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3725	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3726	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3727	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3728	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3729	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3730	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3731	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3732	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3733	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3734	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3735	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3736	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3737	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3738	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3739	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3740	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3741	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3742	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3743	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3744	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3745	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3746	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3747	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3748	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3749	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3750	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3751	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3752	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3753	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3754	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3755	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3756	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3757	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3758	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3759	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3760	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3761	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3762	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3763	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3764	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3765	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3766	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3767	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3768	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3769	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3770	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3771	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3772	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3773	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3774	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3775	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3776	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3777	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3778	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3779	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3780	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3781	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3782	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3783	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3784	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3785	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3786	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3787	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3788	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3789	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3790	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3791	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3792	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3793	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3794	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3795	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3796	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3797	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3798	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3799	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3800	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3801	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3802	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3803	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3804	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3805	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3806	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3807	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3808	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3809	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3810	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3811	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3812	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3813	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3814	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3815	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3816	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3817	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3818	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3819	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3820	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3821	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3822	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3823	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3824	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3825	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3826	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3827	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3828	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3829	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3830	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3831	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3832	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3833	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3834	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3835	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3836	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3837	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3838	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3839	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3840	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3841	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3842	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3843	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3844	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3845	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3846	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3847	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3848	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3849	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3850	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3851	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3852	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3853	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3854	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3855	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3856	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3857	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3858	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3859	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3860	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3861	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3862	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3863	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3864	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3865	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3866	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3867	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3868	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3869	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3870	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3871	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3872	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3873	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3874	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3875	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3876	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3877	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3878	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3879	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3880	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3881	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3882	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3883	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3884	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3885	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3886	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3887	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3888	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3889	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3890	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3891	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3892	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3893	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3894	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3895	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3896	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3897	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3898	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3899	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3900	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3901	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3902	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3903	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3904	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3905	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3906	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3907	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3908	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3909	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3910	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3911	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3912	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3913	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3914	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3915	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3916	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3917	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3918	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3919	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3920	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3921	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3922	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3923	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3924	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3925	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3926	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3927	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3928	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3929	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3930	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3931	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3932	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3933	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3934	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3935	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3936	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3937	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3938	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3939	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3940	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3941	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3942	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3943	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3944	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3945	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3946	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3947	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3948	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3949	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3950	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3951	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3952	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3953	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3954	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3955	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3956	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3957	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3958	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3959	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3960	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3961	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3962	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3963	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3964	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3965	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3966	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3967	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3968	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3969	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3970	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3971	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3972	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3973	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3974	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3975	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3976	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3977	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3978	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3979	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3980	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3981	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3982	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3983	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3984	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3985	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3986	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3987	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3988	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3989	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3990	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3991	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3992	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3993	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3994	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3995	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3996	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3997	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3998	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3999	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4000	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4001	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4002	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4003	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4004	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4005	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4006	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4007	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4008	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4009	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4010	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4011	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4012	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4013	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4014	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4015	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4016	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4017	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4018	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4019	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4020	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4021	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4022	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4023	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4024	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4025	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4026	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4027	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4028	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4029	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4030	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4031	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4032	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4033	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4034	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4035	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4036	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4037	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4038	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4039	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4040	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4041	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4042	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4043	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4044	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4045	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4046	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4047	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4048	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4049	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4050	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4051	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4052	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4053	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4054	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4055	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4056	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4057	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4058	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4059	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4060	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4061	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4062	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

4063	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4064	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4065	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4066	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4067	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4068	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4069	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4070	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4071	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4072	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4073	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4074	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4075	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4076	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4077	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4078	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4079	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4080	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4081	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4082	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4083	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4084	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4085	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4086	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4087	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4088	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4089	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4090	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4091	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4092	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4093	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4094	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4095	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4096	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4097	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4098	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4099	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4100	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4101	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4102	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4103	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4104	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4105	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4106	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4107	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4108	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4109	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4110	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4111	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4112	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4113	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4114	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4115	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4116	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4117	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4118	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4119	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4120	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4121	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4122	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4123	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4124	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4125	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4126	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4127	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4128	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4129	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4130	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4131	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4132	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4133	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4134	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4135	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4136	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4137	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4138	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4139	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4140	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4141	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4142	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4143	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4144	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4145	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4146	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4147	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4148	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4149	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4150	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4151	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4152	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4153	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4154	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4155	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4156	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4157	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4158	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4159	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4160	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4161	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4162	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4163	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4164	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4165	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4166	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4167	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4168	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4169	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

4170	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4171	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4172	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4173	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4174	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4175	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4176	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4177	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4178	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4179	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4180	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4181	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4182	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4183	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4184	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4185	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4186	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4187	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4188	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4189	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4190	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4191	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4192	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4193	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4194	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4195	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4196	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4197	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4198	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4199	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4200	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4201	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4202	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4203	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4204	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4205	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4206	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4207	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4208	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4209	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4210	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4211	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4212	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4213	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4214	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4215	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4216	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4217	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4218	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4219	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4220	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4221	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4222	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4223	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4224	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4225	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4226	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4227	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4228	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4229	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4230	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4231	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4232	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4233	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4234	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4235	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4236	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4237	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4238	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4239	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4240	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4241	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4242	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4243	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4244	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4245	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4246	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4247	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4248	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4249	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4250	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4251	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4252	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4253	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4254	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4255	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4256	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4257	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4258	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4259	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4260	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4261	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4262	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4263	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4264	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4265	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4266	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4267	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4268	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4269	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4270	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4271	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4272	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4273	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4274	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4275	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4276	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

4277	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4278	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4279	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4280	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4281	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4282	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4283	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4284	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4285	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4286	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4287	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4288	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4289	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4290	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4291	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4292	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4293	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4294	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4295	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4296	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4297	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4298	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4299	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4300	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4301	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4302	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4303	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4304	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4305	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4306	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4307	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4308	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4309	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4310	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4311	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4312	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4313	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4314	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4315	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4316	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4317	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4318	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4319	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4320	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4321	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4322	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4323	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4324	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4325	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4326	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4327	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4328	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4329	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4330	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4331	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4332	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4333	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4334	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4335	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4336	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4337	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4338	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4339	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4340	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4341	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4342	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4343	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4344	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4345	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4346	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4347	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4348	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4349	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4350	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4351	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4352	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4353	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4354	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4355	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4356	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4357	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4358	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4359	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4360	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4361	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4362	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4363	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4364	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4365	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4366	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4367	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4368	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4369	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4370	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4371	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4372	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4373	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4374	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4375	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4376	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4377	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4378	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4379	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4380	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4381	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4382	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4383	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

4384	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4385	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4386	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4387	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4388	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4389	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4390	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4391	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4392	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4393	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4394	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4395	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4396	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4397	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4398	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4399	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4400	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4401	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4402	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4403	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4404	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4405	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4406	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4407	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4408	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4409	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4410	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4411	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4412	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4413	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4414	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4415	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4416	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4417	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4418	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4419	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4420	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4421	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4422	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4423	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4424	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4425	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4426	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4427	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4428	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4429	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4430	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4431	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4432	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4433	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4434	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4435	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4436	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4437	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4438	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4439	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4440	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4441	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4442	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4443	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4444	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4445	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4446	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4447	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4448	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4449	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4450	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4451	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4452	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4453	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4454	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4455	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4456	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4457	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4458	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4459	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4460	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4461	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4462	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4463	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4464	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4465	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4466	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4467	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4468	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4469	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4470	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4471	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4472	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4473	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4474	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4475	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4476	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4477	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4478	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4479	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4480	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4481	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4482	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4483	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4484	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4485	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4486	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4487	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4488	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4489	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4490	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

4491	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4492	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4493	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4494	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4495	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4496	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4497	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4498	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4499	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4500	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4501	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4502	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4503	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4504	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4505	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4506	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4507	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4508	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4509	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4510	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4511	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4512	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4513	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4514	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4515	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4516	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4517	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4518	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4519	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4520	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4521	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4522	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4523	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4524	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4525	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4526	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4527	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4528	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4529	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4530	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4531	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4532	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4533	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4534	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4535	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4536	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4537	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4538	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4539	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4540	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4541	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4542	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4543	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4544	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4545	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4546	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4547	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4548	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4549	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4550	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4551	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4552	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4553	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4554	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4555	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4556	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4557	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4558	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4559	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4560	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4561	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4562	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4563	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4564	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4565	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4566	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4567	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4568	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4569	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4570	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4571	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4572	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4573	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4574	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4575	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4576	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4577	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4578	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4579	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4580	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4581	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4582	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4583	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4584	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4585	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4586	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4587	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4588	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4589	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4590	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4591	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4592	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4593	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4594	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4595	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4596	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4597	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

4598	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4599	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4600	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4601	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4602	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4603	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4604	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4605	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4606	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4607	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4608	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4609	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4610	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4611	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4612	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4613	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4614	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4615	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4616	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4617	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4618	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4619	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4620	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4621	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4622	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4623	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4624	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4625	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4626	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4627	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4628	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4629	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4630	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4631	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4632	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4633	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4634	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4635	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4636	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4637	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4638	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4639	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4640	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4641	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4642	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4643	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4644	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4645	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4646	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4647	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4648	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4649	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4650	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4651	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4652	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4653	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4654	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4655	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4656	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4657	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4658	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4659	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4660	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4661	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4662	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4663	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4664	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4665	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4666	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4667	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4668	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4669	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4670	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4671	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4672	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4673	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4674	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4675	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4676	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4677	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4678	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4679	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4680	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4681	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4682	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4683	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4684	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4685	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4686	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4687	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4688	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4689	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4690	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4691	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4692	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4693	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4694	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4695	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4696	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4697	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4698	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4699	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4700	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4701	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4702	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4703	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4704	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

4705	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4706	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4707	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4708	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4709	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4710	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4711	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4712	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4713	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4714	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4715	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4716	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4717	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4718	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4719	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4720	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4721	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4722	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4723	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4724	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4725	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4726	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4727	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4728	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4729	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4730	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4731	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4732	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4733	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4734	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4735	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4736	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4737	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4738	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4739	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4740	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4741	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4742	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4743	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4744	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4745	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4746	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4747	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4748	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4749	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4750	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4751	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4752	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4753	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4754	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4755	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4756	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4757	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4758	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4759	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4760	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4761	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4762	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4763	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4764	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4765	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4766	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4767	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4768	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4769	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4770	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4771	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4772	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4773	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4774	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4775	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4776	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4777	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4778	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4779	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4780	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4781	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4782	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4783	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4784	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4785	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4786	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4787	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4788	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4789	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4790	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4791	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4792	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4793	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4794	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4795	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4796	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4797	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4798	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4799	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4800	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4801	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4802	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4803	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4804	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4805	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4806	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4807	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4808	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4809	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4810	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4811	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

4812	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4813	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4814	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4815	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4816	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4817	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4818	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4819	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4820	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4821	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4822	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4823	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4824	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4825	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4826	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4827	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4828	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4829	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4830	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4831	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4832	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4833	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4834	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4835	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4836	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4837	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4838	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4839	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4840	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4841	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4842	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4843	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4844	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4845	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4846	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4847	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4848	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4849	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4850	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4851	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4852	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4853	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4854	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4855	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4856	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4857	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4858	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4859	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4860	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4861	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4862	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4863	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4864	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4865	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4866	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4867	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4868	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4869	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4870	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4871	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4872	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4873	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4874	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4875	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4876	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4877	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4878	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4879	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4880	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4881	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4882	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4883	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4884	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4885	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4886	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4887	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4888	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4889	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4890	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4891	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4892	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4893	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4894	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4895	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4896	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4897	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4898	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4899	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4900	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4901	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4902	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4903	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4904	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4905	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4906	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4907	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4908	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4909	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4910	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4911	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4912	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4913	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4914	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4915	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4916	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4917	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4918	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

4919	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4920	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4921	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4922	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4923	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4924	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4925	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4926	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4927	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4928	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4929	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4930	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4931	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4932	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4933	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4934	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4935	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4936	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4937	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4938	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4939	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4940	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4941	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4942	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4943	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4944	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4945	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4946	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4947	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4948	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4949	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4950	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4951	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4952	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4953	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4954	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4955	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4956	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4957	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4958	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4959	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4960	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4961	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4962	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4963	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4964	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4965	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4966	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4967	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4968	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4969	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4970	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4971	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4972	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4973	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4974	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4975	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4976	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4977	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4978	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4979	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4980	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4981	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4982	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4983	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4984	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4985	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4986	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4987	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4988	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4989	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4990	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4991	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4992	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4993	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4994	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4995	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4996	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4997	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4998	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4999	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5000	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5001	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5002	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5003	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5004	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5005	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5006	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5007	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5008	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5009	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5010	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5011	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5012	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5013	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5014	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5015	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5016	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5017	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5018	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5019	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5020	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5021	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5022	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5023	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5024	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5025	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5026	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5027	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5028	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5029	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5030	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5031	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5032	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5033	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5034	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5035	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5036	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5037	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5038	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5039	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5040	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5041	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5042	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5043	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5044	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5045	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5046	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5047	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5048	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5049	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5050	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5051	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5052	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5053	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5054	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5055	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5056	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5057	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5058	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5059	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5060	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5061	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5062	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5063	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5064	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5065	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5066	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5067	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5068	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5069	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5070	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5071	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5072	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5073	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5074	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5075	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5076	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5077	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5078	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5079	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5080	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5081	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5082	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5083	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5084	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5085	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5086	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5087	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5088	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5089	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5090	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5091	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5092	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5093	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5094	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5095	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5096	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5097	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5098	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5099	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5100	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5101	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5102	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5103	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5104	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5105	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5106	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5107	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5108	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5109	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5110	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5111	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5112	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5113	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5114	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5115	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5116	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5117	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5118	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5119	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5120	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5121	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5122	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5123	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5124	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5125	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5126	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5127	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5128	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5129	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5130	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5131	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5132	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5133	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5134	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5135	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5136	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5137	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5138	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5139	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5140	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5141	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5142	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5143	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5144	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5145	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5146	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5147	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5148	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5149	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5150	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5151	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5152	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5153	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5154	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5155	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5156	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5157	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5158	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5159	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5160	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5161	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5162	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5163	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5164	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5165	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5166	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5167	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5168	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5169	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5170	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5171	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5172	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5173	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5174	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5175	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5176	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5177	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5178	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5179	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5180	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5181	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5182	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5183	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5184	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5185	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5186	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5187	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5188	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5189	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5190	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5191	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5192	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5193	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5194	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5195	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5196	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5197	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5198	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5199	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5200	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5201	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5202	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5203	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5204	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5205	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5206	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5207	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5208	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5209	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5210	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5211	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5212	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5213	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5214	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5215	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5216	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5217	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5218	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5219	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5220	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5221	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5222	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5223	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5224	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5225	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5226	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5227	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5228	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5229	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5230	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5231	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5232	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5233	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5234	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5235	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5236	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5237	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5238	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5239	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5240	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5241	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5242	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5243	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5244	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5245	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5246	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5247	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5248	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5249	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5250	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5251	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5252	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5253	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5254	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5255	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5256	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5257	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5258	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5259	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5260	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5261	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5262	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5263	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5264	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5265	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5266	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5267	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5268	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5269	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5270	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5271	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5272	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5273	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5274	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5275	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5276	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5277	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5278	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5279	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5280	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5281	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5282	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5283	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5284	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5285	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5286	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5287	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5288	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5289	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5290	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5291	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5292	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5293	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5294	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5295	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5296	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5297	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5298	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5299	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5300	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5301	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5302	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5303	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5304	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5305	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5306	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5307	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5308	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5309	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5310	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5311	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5312	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5313	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5314	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5315	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5316	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5317	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5318	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5319	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5320	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5321	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5322	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5323	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5324	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5325	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5326	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5327	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5328	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5329	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5330	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5331	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5332	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5333	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5334	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5335	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5336	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5337	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5338	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5339	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5340	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5341	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5342	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5343	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5344	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5345	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5346	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5347	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5348	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5349	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5350	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5351	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5352	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5353	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5354	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5355	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5356	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5357	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5358	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5359	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5360	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5361	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5362	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5363	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5364	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5365	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5366	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5367	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5368	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5369	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5370	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5371	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5372	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5373	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5374	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5375	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5376	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5377	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5378	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5379	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5380	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5381	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5382	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5383	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5384	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5385	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5386	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5387	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5388	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5389	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5390	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5391	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5392	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5393	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5394	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5395	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5396	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5397	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5398	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5399	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5400	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5401	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5402	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5403	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5404	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5405	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5406	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5407	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5408	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5409	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5410	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5411	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5412	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5413	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5414	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5415	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5416	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5417	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5418	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5419	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5420	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5421	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5422	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5423	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5424	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5425	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5426	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5427	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5428	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5429	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5430	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5431	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5432	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5433	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5434	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5435	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5436	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5437	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5438	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5439	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5440	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5441	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5442	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5443	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5444	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5445	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5446	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5447	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5448	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5449	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5450	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5451	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5452	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5453	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5454	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5455	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5456	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5457	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5458	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5459	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5460	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5461	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5462	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5463	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5464	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5465	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5466	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5467	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5468	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5469	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5470	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5471	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5472	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5473	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5474	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5475	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5476	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5477	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5478	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5479	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5480	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5481	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5482	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5483	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5484	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5485	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5486	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5487	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5488	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5489	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5490	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5491	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5492	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5493	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5494	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5495	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5496	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5497	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5498	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5499	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5500	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5501	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5502	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5503	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5504	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5505	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5506	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5507	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5508	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5509	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5510	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5511	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5512	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5513	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5514	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5515	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5516	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5517	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5518	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5519	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5520	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5521	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5522	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5523	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5524	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5525	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5526	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5527	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5528	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5529	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5530	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5531	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5532	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5533	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5534	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5535	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5536	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5537	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5538	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5539	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5540	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5541	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5542	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5543	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5544	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5545	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5546	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5547	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5548	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5549	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5550	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5551	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5552	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5553	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5554	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5555	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5556	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5557	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5558	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5559	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5560	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5561	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5562	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5563	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5564	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5565	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5566	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5567	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5568	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5569	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5570	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5571	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5572	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5573	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5574	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5575	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5576	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5577	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5578	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5579	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5580	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5581	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5582	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5583	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5584	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5585	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5586	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5587	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5588	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5589	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5590	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5591	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5592	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5593	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5594	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5595	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5596	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5597	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5598	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5599	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5600	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5601	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5602	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5603	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5604	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5605	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5606	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5607	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5608	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5609	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5610	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5611	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5612	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5613	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5614	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5615	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5616	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5617	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5618	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5619	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5620	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5621	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5622	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5623	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5624	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5625	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5626	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5627	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5628	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5629	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5630	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5631	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5632	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5633	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5634	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5635	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5636	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5637	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5638	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5639	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5640	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5641	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5642	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5643	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5644	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5645	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5646	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5647	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5648	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5649	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5650	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5651	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5652	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5653	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5654	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5655	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5656	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5657	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5658	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5659	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5660	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5661	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5662	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5663	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5664	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5665	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5666	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5667	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5668	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5669	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5670	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5671	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5672	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5673	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5674	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5675	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5676	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5677	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5678	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5679	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5680	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5681	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5682	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5683	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5684	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5685	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5686	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5687	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5688	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5689	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5690	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5691	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5692	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5693	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5694	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5695	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5696	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5697	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5698	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5699	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5700	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5701	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5702	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5703	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5704	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5705	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5706	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5707	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5708	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5709	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5710	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5711	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5712	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5713	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5714	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5715	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5716	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5717	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5718	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5719	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5720	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5721	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5722	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5723	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5724	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5725	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5726	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5727	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5728	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5729	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5730	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5731	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5732	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5733	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5734	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5735	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5736	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5737	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5738	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5739	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5740	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5741	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5742	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5743	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5744	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5745	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5746	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5747	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5748	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5749	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5750	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5751	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5752	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5753	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5754	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5755	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5756	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5757	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5758	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5759	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5760	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5761	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5762	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5763	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5764	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5765	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5766	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5767	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5768	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5769	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5770	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5771	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5772	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5773	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5774	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5775	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5776	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5777	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5778	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5779	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5780	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5781	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5782	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5783	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5784	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5785	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5786	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5787	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5788	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5789	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5790	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5791	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5792	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5793	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5794	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5795	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5796	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5797	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5798	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5799	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5800	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5801	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5802	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5803	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5804	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5805	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5806	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5807	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5808	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5809	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5810	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5811	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5812	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5813	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5814	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5815	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5816	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5817	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5818	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5819	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5820	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5821	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5822	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5823	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5824	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5825	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5826	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5827	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5828	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5829	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5830	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5831	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5832	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5833	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5834	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5835	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5836	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5837	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5838	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5839	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5840	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5841	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5842	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5843	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5844	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5845	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5846	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5847	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5848	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5849	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5850	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5851	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5852	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5853	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5854	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5855	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5856	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5857	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5858	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5859	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5860	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5861	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5862	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5863	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5864	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5865	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5866	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5867	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5868	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5869	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5870	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5871	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5872	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5873	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5874	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5875	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5876	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5877	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5878	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5879	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5880	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5881	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5882	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5883	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5884	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5885	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5886	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5887	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5888	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5889	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5890	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5891	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5892	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5893	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5894	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5895	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5896	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5897	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5898	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5899	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5900	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5901	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5902	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5903	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5904	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5905	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5906	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5907	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5908	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5909	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5910	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5911	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5912	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5913	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5914	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5915	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5916	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5917	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5918	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5919	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5920	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5921	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5922	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5923	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5924	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5925	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5926	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5927	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5928	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5929	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5930	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5931	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5932	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5933	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5934	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5935	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5936	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5937	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5938	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5939	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5940	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5941	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5942	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5943	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5944	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5945	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5946	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5947	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5948	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5949	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5950	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5951	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5952	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5953	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5954	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5955	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5956	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5957	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5958	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5959	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5960	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5961	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5962	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5963	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5964	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5965	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5966	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5967	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5968	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5969	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5970	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5971	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5972	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5973	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5974	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5975	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5976	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5977	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5978	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5979	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5980	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5981	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5982	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5983	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5984	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5985	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5986	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5987	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5988	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5989	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5990	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5991	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5992	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5993	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5994	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5995	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5996	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5997	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5998	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5999	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6000	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6001	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6002	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6003	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6004	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6005	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6006	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6007	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6008	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6009	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6010	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6011	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6012	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6013	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6014	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6015	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6016	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6017	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6018	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6019	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6020	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6021	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6022	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6023	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6024	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6025	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6026	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6027	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6028	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6029	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6030	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6031	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6032	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6033	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6034	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6035	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6036	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6037	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6038	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6039	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6040	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6041	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6042	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6043	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6044	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6045	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6046	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6047	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6048	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6049	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6050	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6051	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6052	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6053	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6054	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6055	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6056	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6057	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6058	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6059	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6060	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6061	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6062	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6063	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6064	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6065	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6066	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6067	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6068	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6069	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6070	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6071	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6072	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6073	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6074	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6075	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6076	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6077	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6078	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6079	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6080	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6081	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6082	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6083	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6084	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6085	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6086	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6087	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6088	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6089	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6090	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6091	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6092	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6093	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6094	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6095	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

6096	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6097	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6098	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6099	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6100	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6101	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6102	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6103	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6104	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6105	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6106	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6107	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6108	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6109	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6110	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6111	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6112	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6113	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6114	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6115	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6116	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6117	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6118	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6119	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6120	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6121	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6122	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6123	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6124	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6125	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6126	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6127	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6128	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6129	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6130	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6131	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6132	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6133	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6134	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6135	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6136	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6137	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6138	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6139	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6140	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6141	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6142	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6143	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6144	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6145	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6146	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6147	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6148	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6149	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6150	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6151	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6152	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6153	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6154	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6155	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6156	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6157	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6158	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6159	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6160	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6161	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6162	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6163	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6164	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6165	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6166	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6167	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6168	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6169	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6170	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6171	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6172	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6173	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6174	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6175	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6176	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6177	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6178	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6179	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6180	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6181	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6182	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6183	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6184	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6185	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6186	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6187	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6188	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6189	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6190	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6191	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6192	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6193	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6194	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6195	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6196	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6197	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6198	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6199	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6200	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6201	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6202	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

6203	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6204	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6205	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6206	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6207	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6208	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6209	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6210	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6211	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6212	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6213	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6214	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6215	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6216	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6217	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6218	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6219	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6220	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6221	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6222	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6223	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6224	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6225	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6226	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6227	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6228	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6229	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6230	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6231	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6232	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6233	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6234	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6235	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6236	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6237	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6238	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6239	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6240	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6241	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6242	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6243	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6244	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6245	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6246	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6247	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6248	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6249	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6250	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6251	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6252	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6253	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6254	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6255	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6256	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6257	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6258	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6259	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6260	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6261	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6262	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6263	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6264	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6265	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6266	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6267	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6268	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6269	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6270	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6271	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6272	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6273	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6274	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6275	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6276	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6277	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6278	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6279	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6280	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6281	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6282	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6283	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6284	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6285	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6286	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6287	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6288	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6289	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6290	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6291	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6292	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6293	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6294	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6295	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6296	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6297	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6298	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6299	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6300	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6301	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6302	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6303	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6304	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6305	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6306	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6307	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6308	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

			T3		1389		T3L3				T4			
			1385	380763.90	3736238.46									
			4.44E-03	0.00E+00	0.00E+00	0.00E+00	6.85E-04	0.00E+00	0.00E+00	0.00E+00	4.55E-04	0.00E+00	0.00E+00	0.00E+00
			Yr 1	Yr 2	Yr 3	Yr 4	Yr 1	Yr 2	Yr 3	Yr 4	Yr 1	Yr 2	Yr 3	Yr 4
1	381726.08	3737269.37	1.26E-04	0.00E+00	0.00E+00	0.00E+00	1.94E-05	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00
2	381756.08	3737269.37	1.12E-04	0.00E+00	0.00E+00	0.00E+00	1.72E-05	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00
3	381786.08	3737269.37	9.99E-05	0.00E+00	0.00E+00	0.00E+00	1.54E-05	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00
4	381816.08	3737269.37	8.99E-05	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	9.20E-06	0.00E+00	0.00E+00	0.00E+00
5	381846.08	3737269.37	8.13E-05	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	8.33E-06	0.00E+00	0.00E+00	0.00E+00
6	381876.08	3737269.37	7.40E-05	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	7.58E-06	0.00E+00	0.00E+00	0.00E+00
7	381906.08	3737269.37	6.76E-05	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	6.92E-06	0.00E+00	0.00E+00	0.00E+00
8	381936.08	3737269.37	6.20E-05	0.00E+00	0.00E+00	0.00E+00	9.56E-06	0.00E+00	0.00E+00	0.00E+00	6.35E-06	0.00E+00	0.00E+00	0.00E+00
9	381966.08	3737269.37	5.71E-05	0.00E+00	0.00E+00	0.00E+00	8.81E-06	0.00E+00	0.00E+00	0.00E+00	5.85E-06	0.00E+00	0.00E+00	0.00E+00
10	381996.08	3737269.37	5.28E-05	0.00E+00	0.00E+00	0.00E+00	8.14E-06	0.00E+00	0.00E+00	0.00E+00	5.41E-06	0.00E+00	0.00E+00	0.00E+00
11	382026.08	3737269.37	4.90E-05	0.00E+00	0.00E+00	0.00E+00	7.55E-06	0.00E+00	0.00E+00	0.00E+00	5.02E-06	0.00E+00	0.00E+00	0.00E+00
12	382056.08	3737269.37	4.56E-05	0.00E+00	0.00E+00	0.00E+00	7.03E-06	0.00E+00	0.00E+00	0.00E+00	4.67E-06	0.00E+00	0.00E+00	0.00E+00
13	382086.08	3737269.37	4.26E-05	0.00E+00	0.00E+00	0.00E+00	6.56E-06	0.00E+00	0.00E+00	0.00E+00	4.36E-06	0.00E+00	0.00E+00	0.00E+00
14	382116.08	3737269.37	3.98E-05	0.00E+00	0.00E+00	0.00E+00	6.14E-06	0.00E+00	0.00E+00	0.00E+00	4.08E-06	0.00E+00	0.00E+00	0.00E+00
15	382146.08	3737269.37	3.74E-05	0.00E+00	0.00E+00	0.00E+00	5.76E-06	0.00E+00	0.00E+00	0.00E+00	3.83E-06	0.00E+00	0.00E+00	0.00E+00
16	382176.08	3737269.37	3.51E-05	0.00E+00	0.00E+00	0.00E+00	5.42E-06	0.00E+00	0.00E+00	0.00E+00	3.60E-06	0.00E+00	0.00E+00	0.00E+00
17	382206.08	3737269.37	3.31E-05	0.00E+00	0.00E+00	0.00E+00	5.11E-06	0.00E+00	0.00E+00	0.00E+00	3.39E-06	0.00E+00	0.00E+00	0.00E+00
18	382236.08	3737269.37	3.13E-05	0.00E+00	0.00E+00	0.00E+00	4.82E-06	0.00E+00	0.00E+00	0.00E+00	3.21E-06	0.00E+00	0.00E+00	0.00E+00
19	382266.08	3737269.37	2.96E-05	0.00E+00	0.00E+00	0.00E+00	4.57E-06	0.00E+00	0.00E+00	0.00E+00	3.04E-06	0.00E+00	0.00E+00	0.00E+00
20	382296.08	3737269.37	2.81E-05	0.00E+00	0.00E+00	0.00E+00	4.33E-06	0.00E+00	0.00E+00	0.00E+00	2.88E-06	0.00E+00	0.00E+00	0.00E+00
21	382326.08	3737269.37	2.67E-05	0.00E+00	0.00E+00	0.00E+00	4.12E-06	0.00E+00	0.00E+00	0.00E+00	2.74E-06	0.00E+00	0.00E+00	0.00E+00
22	381726.08	3737284.44	1.27E-04	0.00E+00	0.00E+00	0.00E+00	1.95E-05	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00
23	381756.08	3737284.44	1.12E-04	0.00E+00	0.00E+00	0.00E+00	1.73E-05	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00
24	381786.08	3737284.44	1.00E-04	0.00E+00	0.00E+00	0.00E+00	1.54E-05	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00
25	381816.08	3737284.44	9.01E-05	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	9.23E-06	0.00E+00	0.00E+00	0.00E+00
26	381846.08	3737284.44	8.15E-05	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	8.35E-06	0.00E+00	0.00E+00	0.00E+00
27	381876.08	3737284.44	7.41E-05	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	7.59E-06	0.00E+00	0.00E+00	0.00E+00
28	381906.08	3737284.44	6.77E-05	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	6.94E-06	0.00E+00	0.00E+00	0.00E+00
29	381936.08	3737284.44	6.22E-05	0.00E+00	0.00E+00	0.00E+00	9.58E-06	0.00E+00	0.00E+00	0.00E+00	6.37E-06	0.00E+00	0.00E+00	0.00E+00
30	381966.08	3737284.44	5.73E-05	0.00E+00	0.00E+00	0.00E+00	8.82E-06	0.00E+00	0.00E+00	0.00E+00	5.86E-06	0.00E+00	0.00E+00	0.00E+00
31	381996.08	3737284.44	5.29E-05	0.00E+00	0.00E+00	0.00E+00	8.16E-06	0.00E+00	0.00E+00	0.00E+00	5.42E-06	0.00E+00	0.00E+00	0.00E+00
32	382026.08	3737284.44	4.91E-05	0.00E+00	0.00E+00	0.00E+00	7.56E-06	0.00E+00	0.00E+00	0.00E+00	5.02E-06	0.00E+00	0.00E+00	0.00E+00
33	382056.08	3737284.44	4.57E-05	0.00E+00	0.00E+00	0.00E+00	7.04E-06	0.00E+00	0.00E+00	0.00E+00	4.68E-06	0.00E+00	0.00E+00	0.00E+00
34	382086.08	3737284.44	4.26E-05	0.00E+00	0.00E+00	0.00E+00	6.56E-06	0.00E+00	0.00E+00	0.00E+00	4.36E-06	0.00E+00	0.00E+00	0.00E+00
35	382116.08	3737284.44	3.98E-05	0.00E+00	0.00E+00	0.00E+00	6.14E-06	0.00E+00	0.00E+00	0.00E+00	4.08E-06	0.00E+00	0.00E+00	0.00E+00
36	382146.08	3737284.44	3.74E-05	0.00E+00	0.00E+00	0.00E+00	5.76E-06	0.00E+00	0.00E+00	0.00E+00	3.83E-06	0.00E+00	0.00E+00	0.00E+00
37	382176.08	3737284.44	3.51E-05	0.00E+00	0.00E+00	0.00E+00	5.41E-06	0.00E+00	0.00E+00	0.00E+00	3.60E-06	0.00E+00	0.00E+00	0.00E+00
38	382206.08	3737284.44	3.31E-05	0.00E+00	0.00E+00	0.00E+00	5.10E-06	0.00E+00	0.00E+00	0.00E+00	3.39E-06	0.00E+00	0.00E+00	0.00E+00
39	382236.08	3737284.44	3.13E-05	0.00E+00	0.00E+00	0.00E+00	4.82E-06	0.00E+00	0.00E+00	0.00E+00	3.20E-06	0.00E+00	0.00E+00	0.00E+00
40	382266.08	3737284.44	2.96E-05	0.00E+00	0.00E+00	0.00E+00	4.56E-06	0.00E+00	0.00E+00	0.00E+00	3.03E-06	0.00E+00	0.00E+00	0.00E+00
41	382296.08	3737284.44	2.81E-05	0.00E+00	0.00E+00	0.00E+00	4.32E-06	0.00E+00	0.00E+00	0.00E+00	2.87E-06	0.00E+00	0.00E+00	0.00E+00
42	382326.08	3737284.44	2.67E-05	0.00E+00	0.00E+00	0.00E+00	4.11E-06	0.00E+00	0.00E+00	0.00E+00	2.73E-06	0.00E+00	0.00E+00	0.00E+00
43	381726.08	3737299.51	1.27E-04	0.00E+00	0.00E+00	0.00E+00	1.96E-05	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00
44	381756.08	3737299.51	1.13E-04	0.00E+00	0.00E+00	0.00E+00	1.73E-05	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00
45	381786.08	3737299.51	1.01E-04	0.00E+00	0.00E+00	0.00E+00	1.55E-05	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00
46	381816.08	3737299.51	9.04E-05	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	9.26E-06	0.00E+00	0.00E+00	0.00E+00
47	381846.08	3737299.51	8.18E-05	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	8.38E-06	0.00E+00	0.00E+00	0.00E+00
48	381876.08	3737299.51	7.44E-05	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	7.62E-06	0.00E+00	0.00E+00	0.00E+00
49	381906.08	3737299.51	6.79E-05	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	6.96E-06	0.00E+00	0.00E+00	0.00E+00
50	381936.08	3737299.51	6.23E-05	0.00E+00	0.00E+00	0.00E+00	9.60E-06	0.00E+00	0.00E+00	0.00E+00	6.38E-06	0.00E+00	0.00E+00	0.00E+00
51	381966.08	3737299.51	5.74E-05	0.00E+00	0.00E+00	0.00E+00	8.84E-06	0.00E+00	0.00E+00	0.00E+00	5.88E-06	0.00E+00	0.00E+00	0.00E+00
52	381996.08	3737299.51	5.30E-05	0.00E+00	0.00E+00	0.00E+00	8.17E-06	0.00E+00	0.00E+00	0.00E+00	5.43E-06	0.00E+00	0.00E+00	0.00E+00
53	382026.08	3737299.51	4.91E-05	0.00E+00	0.00E+00	0.00E+00	7.57E-06	0.00E+00	0.00E+00	0.00E+00	5.03E-06	0.00E+00	0.00E+00	0.00E+00
54	382056.08	3737299.51	4.57E-05	0.00E+00	0.00E+00	0.00E+00	7.05E-06	0.00E+00	0.00E+00	0.00E+00	4.68E-06	0.00E+00	0.00E+00	0.00E+00
55	382086.08	3737299.51	4.26E-05	0.00E+00	0.00E+00	0.00E+00	6.57E-06	0.00E+00	0.00E+00	0.00E+00	4.37E-06	0.00E+00	0.00E+00	0.00E+00
56	382116.08	3737299.51	3.99E-05	0.00E+00	0.00E+00	0.00E+00	6.15E-06	0.00E+00	0.00E+00	0.00E+00	4.08E-06	0.00E+00	0.00E+00	0.00E+00
57	382146.08	3737299.51	3.74E-05	0.00E+00	0.00E+00	0.00E+00	5.76E-06	0.00E+00	0.00E+00	0.00E+00	3.83E-06	0.00E+00	0.00E+00	0.00E+00
58	382176.08	3737299.51	3.51E-05	0.00E+00	0.00E+00	0.00E+00	5.41E-06	0.00E+00	0.00E+00	0.00E+00	3.60E-06	0.00E+00	0.00E+00	0.00E+00
59	382206.08	3737299.51	3.31E-05	0.00E+00	0.00E+00	0.00E+00	5.10E-06	0.00E+00	0.00E+00	0.00E+00	3.39E-06	0.00E+00	0.00E+00	0.00E+00
60	382236.08	3737299.51	3.12E-05	0.00E+00	0.00E+00	0.00E+00	4.82E-06	0.00E+00	0.00E+00	0.00E+00	3.20E-06	0.00E+00	0.00E+00	0.00E+00
61	382266.08	3737299.51	2.96E-05	0.00E+00	0.00E+00	0.00E+00	4.55E-06	0.00E+00	0.00E+00	0.00E+00	3.03E-06	0.00E+00	0.00E+00	0.00E+00
62	382296.08	3737299.51	2.80E-05	0.00E+00	0.00E+00	0.00E+00	4.32E-06	0.00E+00	0.00E+00	0.00E+00	2.87E-06	0.00E+00	0.00E+00	0.00E+00
63	382326.08	3737299.51	2.66E-05	0.00E+00	0.00E+00	0.00E+00	4.10E-06	0.00E+00	0.00E+00	0.00E+00	2.73E-06	0.00E+00	0.00E+00	0.00E+00
64	381726.08	3737314.58	1.27E-04	0.00E+00	0.00E+00	0.00E+00	1.96E-05	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00
65	381756.08	3737314.58	1.13E-04	0.00E+00	0.00E+00	0.00E+00	1.74E-05	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00
66	381786.08	3737314.58	1.01E-04	0.00E+00	0.00E+00	0.00E+00	1.55E-05	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00
67	381816.08	3737314.58	9.07E-05	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	9.29E-06	0.00E+00	0.00E+00	0.00E+00
68	381846.08	3737314.58	8.20E-05	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	8.40E-06	0.00E+00	0.00E+00	0.00E+00
69	381876.08	3737314.58	7.46E-05	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	7.64E-06	0.00E+00	0.00E+00	0.00E+00
70	381906.08	3737314.58	6.82E-05	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	6.98E-06	0.00E+00	0.00E+00	0.00E+00
71	381936.08	3737314.58	6.25E-05	0.00E+00	0.00E+00	0.00E+00	9.63E-06	0.00E+00	0.00E+00	0.00E+00	6.40E-06	0.00E+00	0.00E+00	0.00E+00
72	381966.08	3737314.58	5.75E-05	0.00E+00	0.00E+00	0.00E+00	8.87E-06	0.00E+00	0.00E+00	0.00E+00	5.89E-06	0.00E+00	0.00E+00	0.00E+00
73	381996.08	3737314.58	5.32E-05	0.00E+00	0.00E+00	0.00E+00	8.19E-06	0.00E+00	0.00E+00	0.00E+00	5.44E-06	0.00E+00	0.00E+00	0.00E+00
74	382026.08	3737314.58	4.93E-05	0.00E+00	0.00E+00	0.00E+00	7.59E-06	0.00E+00	0.00E+00	0.00E+00	5.05E-06	0.00E+00	0.00E+00	0.00E+00
75	382056.08	3737314.58	4.58E-05	0.00E+00	0.00E+00	0.00E+00	7.06E-06	0.00E+00	0.00E+00	0.00E+00	4.69E-06	0.00E+00	0.00E+00	0.00E+00
76	382086.08	3737314.58	4.27E-05	0.00E+00	0.00E+00	0.00E+00	6.58E-06	0.00E+00	0.00E+00	0.00E+00	4.38E-06	0.00E+00	0.00E+00	0.00E+00
77	382116.08	3737314.58	3.99E-05	0.00E+00	0.00E+00	0.00E+00	6.16E-06	0.00E+00	0.00E+00	0.00E+00	4.09E-06	0.00E+00	0.00E+00	0.00E+00
78	382146.08	3737314.58	3.74E-05	0.00E+00	0.00E+00	0.00E+00	5.77E-06	0.00E+00	0.00E+00	0.00E+00	3.83E-06	0.00E+00	0.00E+00	0.00E+00
79	382176.08	3737314.58	3.52E-05	0.00E+00	0.00E+00	0.00E+00	5.42E-06	0.00E+00	0.00E+00	0.00E+00	3.60E-06	0.00E+00	0.00E+00	0.00E+00
80	382206.08	3737314.58	3.31E-05	0.00E+00	0.00E+00	0.00E+00	5.10E-06	0.00E+00	0.00E+00	0.00E+00	3.39E-06	0.00E+00	0.00E+00	0.00E+00
81	382236.08	3737314.58	3.12E-05	0.00E+00	0.00E+00	0.00E+00	4.82E-06	0.00E+00	0.00E+00	0.00E+00	3.20E-06	0.00E+00	0.00E+00	0.00E+00
82	382266.08	3737314.58	2.96E-05	0.00E+00	0.00E+00	0.00E+00	4.55E-06	0.00E+00	0.00E+00	0.00E+00	3.03E-06	0.00E+00	0.00E+00	0.00E+00
83	382296.08	3737314.58	2.80E-05	0.00E+00	0.00E+00	0.00E+00	4.32E-06	0.00E+00	0.00E+00	0.00E+00	2.87E-06	0.00E+00	0.00E+00	0.00E+00
84	382326.08	3737314.58	2.66E-05	0.00E+00	0.00E+00	0.00E+00	4.10E-06	0.00E+00	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00
85	381726.08	3737329.65	1.28E-04	0.00E+00	0.00E+00	0.00E+00	1.97E-05	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00
86	381756.08	3737329.65	1.13E-04	0.00E+00	0.00E+00	0.00E+00	1.75E-05	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00

87	381786.08	3737329.65	1.01E-04	0.00E+00	0.00E+00	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00
88	381816.08	3737329.65	9.10E-05	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	9.32E-06	0.00E+00	0.00E+00	0.00E+00
89	381846.08	3737329.65	8.23E-05	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	8.43E-06	0.00E+00	0.00E+00	0.00E+00
90	381876.08	3737329.65	7.48E-05	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	7.67E-06	0.00E+00	0.00E+00	0.00E+00
91	381906.08	3737329.65	6.84E-05	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	7.00E-06	0.00E+00	0.00E+00	0.00E+00
92	381936.08	3737329.65	6.27E-05	0.00E+00	0.00E+00	0.00E+00	9.66E-06	0.00E+00	0.00E+00	0.00E+00	6.42E-06	0.00E+00	0.00E+00	0.00E+00
93	381966.08	3737329.65	5.77E-05	0.00E+00	0.00E+00	0.00E+00	8.89E-06	0.00E+00	0.00E+00	0.00E+00	5.91E-06	0.00E+00	0.00E+00	0.00E+00
94	381996.08	3737329.65	5.33E-05	0.00E+00	0.00E+00	0.00E+00	8.21E-06	0.00E+00	0.00E+00	0.00E+00	5.46E-06	0.00E+00	0.00E+00	0.00E+00
95	382026.08	3737329.65	4.94E-05	0.00E+00	0.00E+00	0.00E+00	7.61E-06	0.00E+00	0.00E+00	0.00E+00	5.06E-06	0.00E+00	0.00E+00	0.00E+00
96	382056.08	3737329.65	4.59E-05	0.00E+00	0.00E+00	0.00E+00	7.08E-06	0.00E+00	0.00E+00	0.00E+00	4.70E-06	0.00E+00	0.00E+00	0.00E+00
97	382086.08	3737329.65	4.28E-05	0.00E+00	0.00E+00	0.00E+00	6.60E-06	0.00E+00	0.00E+00	0.00E+00	4.38E-06	0.00E+00	0.00E+00	0.00E+00
98	382116.08	3737329.65	4.00E-05	0.00E+00	0.00E+00	0.00E+00	6.17E-06	0.00E+00	0.00E+00	0.00E+00	4.10E-06	0.00E+00	0.00E+00	0.00E+00
99	382146.08	3737329.65	3.75E-05	0.00E+00	0.00E+00	0.00E+00	5.78E-06	0.00E+00	0.00E+00	0.00E+00	3.84E-06	0.00E+00	0.00E+00	0.00E+00
100	382176.08	3737329.65	3.52E-05	0.00E+00	0.00E+00	0.00E+00	5.43E-06	0.00E+00	0.00E+00	0.00E+00	3.61E-06	0.00E+00	0.00E+00	0.00E+00
101	382206.08	3737329.65	3.31E-05	0.00E+00	0.00E+00	0.00E+00	5.11E-06	0.00E+00	0.00E+00	0.00E+00	3.39E-06	0.00E+00	0.00E+00	0.00E+00
102	382236.08	3737329.65	3.13E-05	0.00E+00	0.00E+00	0.00E+00	4.82E-06	0.00E+00	0.00E+00	0.00E+00	3.20E-06	0.00E+00	0.00E+00	0.00E+00
103	382266.08	3737329.65	2.96E-05	0.00E+00	0.00E+00	0.00E+00	4.56E-06	0.00E+00	0.00E+00	0.00E+00	3.03E-06	0.00E+00	0.00E+00	0.00E+00
104	382296.08	3737329.65	2.80E-05	0.00E+00	0.00E+00	0.00E+00	4.32E-06	0.00E+00	0.00E+00	0.00E+00	2.87E-06	0.00E+00	0.00E+00	0.00E+00
105	382326.08	3737329.65	2.66E-05	0.00E+00	0.00E+00	0.00E+00	4.10E-06	0.00E+00	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00
106	381726.08	3737344.72	1.28E-04	0.00E+00	0.00E+00	0.00E+00	1.97E-05	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00
107	381756.08	3737344.72	1.14E-04	0.00E+00	0.00E+00	0.00E+00	1.75E-05	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00
108	381786.08	3737344.72	1.01E-04	0.00E+00	0.00E+00	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00
109	381816.08	3737344.72	9.13E-05	0.00E+00	0.00E+00	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	9.35E-06	0.00E+00	0.00E+00	0.00E+00
110	381846.08	3737344.72	8.26E-05	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	8.46E-06	0.00E+00	0.00E+00	0.00E+00
111	381876.08	3737344.72	7.51E-05	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	7.69E-06	0.00E+00	0.00E+00	0.00E+00
112	381906.08	3737344.72	6.86E-05	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	7.02E-06	0.00E+00	0.00E+00	0.00E+00
113	381936.08	3737344.72	6.29E-05	0.00E+00	0.00E+00	0.00E+00	9.69E-06	0.00E+00	0.00E+00	0.00E+00	6.44E-06	0.00E+00	0.00E+00	0.00E+00
114	381966.08	3737344.72	5.79E-05	0.00E+00	0.00E+00	0.00E+00	8.92E-06	0.00E+00	0.00E+00	0.00E+00	5.93E-06	0.00E+00	0.00E+00	0.00E+00
115	381996.08	3737344.72	5.35E-05	0.00E+00	0.00E+00	0.00E+00	8.24E-06	0.00E+00	0.00E+00	0.00E+00	5.47E-06	0.00E+00	0.00E+00	0.00E+00
116	382026.08	3737344.72	4.95E-05	0.00E+00	0.00E+00	0.00E+00	7.63E-06	0.00E+00	0.00E+00	0.00E+00	5.07E-06	0.00E+00	0.00E+00	0.00E+00
117	382056.08	3737344.72	4.60E-05	0.00E+00	0.00E+00	0.00E+00	7.10E-06	0.00E+00	0.00E+00	0.00E+00	4.72E-06	0.00E+00	0.00E+00	0.00E+00
118	382086.08	3737344.72	4.29E-05	0.00E+00	0.00E+00	0.00E+00	6.62E-06	0.00E+00	0.00E+00	0.00E+00	4.40E-06	0.00E+00	0.00E+00	0.00E+00
119	382116.08	3737344.72	4.01E-05	0.00E+00	0.00E+00	0.00E+00	6.18E-06	0.00E+00	0.00E+00	0.00E+00	4.11E-06	0.00E+00	0.00E+00	0.00E+00
120	382146.08	3737344.72	3.76E-05	0.00E+00	0.00E+00	0.00E+00	5.79E-06	0.00E+00	0.00E+00	0.00E+00	3.85E-06	0.00E+00	0.00E+00	0.00E+00
121	382176.08	3737344.72	3.53E-05	0.00E+00	0.00E+00	0.00E+00	5.44E-06	0.00E+00	0.00E+00	0.00E+00	3.61E-06	0.00E+00	0.00E+00	0.00E+00
122	382206.08	3737344.72	3.32E-05	0.00E+00	0.00E+00	0.00E+00	5.12E-06	0.00E+00	0.00E+00	0.00E+00	3.40E-06	0.00E+00	0.00E+00	0.00E+00
123	382236.08	3737344.72	3.13E-05	0.00E+00	0.00E+00	0.00E+00	4.83E-06	0.00E+00	0.00E+00	0.00E+00	3.21E-06	0.00E+00	0.00E+00	0.00E+00
124	382266.08	3737344.72	2.96E-05	0.00E+00	0.00E+00	0.00E+00	4.56E-06	0.00E+00	0.00E+00	0.00E+00	3.03E-06	0.00E+00	0.00E+00	0.00E+00
125	382296.08	3737344.72	2.80E-05	0.00E+00	0.00E+00	0.00E+00	4.32E-06	0.00E+00	0.00E+00	0.00E+00	2.87E-06	0.00E+00	0.00E+00	0.00E+00
126	382326.08	3737344.72	2.66E-05	0.00E+00	0.00E+00	0.00E+00	4.10E-06	0.00E+00	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00
127	381726.08	3737359.79	1.28E-04	0.00E+00	0.00E+00	0.00E+00	1.98E-05	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00
128	381756.08	3737359.79	1.14E-04	0.00E+00	0.00E+00	0.00E+00	1.75E-05	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00
129	381786.08	3737359.79	1.02E-04	0.00E+00	0.00E+00	0.00E+00	1.57E-05	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00
130	381816.08	3737359.79	9.16E-05	0.00E+00	0.00E+00	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	9.38E-06	0.00E+00	0.00E+00	0.00E+00
131	381846.08	3737359.79	8.29E-05	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	8.49E-06	0.00E+00	0.00E+00	0.00E+00
132	381876.08	3737359.79	7.54E-05	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	7.72E-06	0.00E+00	0.00E+00	0.00E+00
133	381906.08	3737359.79	6.88E-05	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	7.05E-06	0.00E+00	0.00E+00	0.00E+00
134	381936.08	3737359.79	6.31E-05	0.00E+00	0.00E+00	0.00E+00	9.73E-06	0.00E+00	0.00E+00	0.00E+00	6.46E-06	0.00E+00	0.00E+00	0.00E+00
135	381966.08	3737359.79	5.81E-05	0.00E+00	0.00E+00	0.00E+00	8.95E-06	0.00E+00	0.00E+00	0.00E+00	5.95E-06	0.00E+00	0.00E+00	0.00E+00
136	381996.08	3737359.79	5.36E-05	0.00E+00	0.00E+00	0.00E+00	8.27E-06	0.00E+00	0.00E+00	0.00E+00	5.49E-06	0.00E+00	0.00E+00	0.00E+00
137	382026.08	3737359.79	4.97E-05	0.00E+00	0.00E+00	0.00E+00	7.66E-06	0.00E+00	0.00E+00	0.00E+00	5.09E-06	0.00E+00	0.00E+00	0.00E+00
138	382056.08	3737359.79	4.62E-05	0.00E+00	0.00E+00	0.00E+00	7.12E-06	0.00E+00	0.00E+00	0.00E+00	4.73E-06	0.00E+00	0.00E+00	0.00E+00
139	382086.08	3737359.79	4.30E-05	0.00E+00	0.00E+00	0.00E+00	6.63E-06	0.00E+00	0.00E+00	0.00E+00	4.41E-06	0.00E+00	0.00E+00	0.00E+00
140	382116.08	3737359.79	4.02E-05	0.00E+00	0.00E+00	0.00E+00	6.20E-06	0.00E+00	0.00E+00	0.00E+00	4.12E-06	0.00E+00	0.00E+00	0.00E+00
141	382146.08	3737359.79	3.77E-05	0.00E+00	0.00E+00	0.00E+00	5.80E-06	0.00E+00	0.00E+00	0.00E+00	3.86E-06	0.00E+00	0.00E+00	0.00E+00
142	382176.08	3737359.79	3.54E-05	0.00E+00	0.00E+00	0.00E+00	5.45E-06	0.00E+00	0.00E+00	0.00E+00	3.62E-06	0.00E+00	0.00E+00	0.00E+00
143	382206.08	3737359.79	3.33E-05	0.00E+00	0.00E+00	0.00E+00	5.13E-06	0.00E+00	0.00E+00	0.00E+00	3.41E-06	0.00E+00	0.00E+00	0.00E+00
144	382236.08	3737359.79	3.14E-05	0.00E+00	0.00E+00	0.00E+00	4.83E-06	0.00E+00	0.00E+00	0.00E+00	3.21E-06	0.00E+00	0.00E+00	0.00E+00
145	382266.08	3737359.79	2.96E-05	0.00E+00	0.00E+00	0.00E+00	4.57E-06	0.00E+00	0.00E+00	0.00E+00	3.03E-06	0.00E+00	0.00E+00	0.00E+00
146	382296.08	3737359.79	2.81E-05	0.00E+00	0.00E+00	0.00E+00	4.32E-06	0.00E+00	0.00E+00	0.00E+00	2.87E-06	0.00E+00	0.00E+00	0.00E+00
147	382326.08	3737359.79	2.66E-05	0.00E+00	0.00E+00	0.00E+00	4.10E-06	0.00E+00	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00
148	381726.08	3737374.86	1.28E-04	0.00E+00	0.00E+00	0.00E+00	1.98E-05	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00
149	381756.08	3737374.86	1.14E-04	0.00E+00	0.00E+00	0.00E+00	1.76E-05	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00
150	381786.08	3737374.86	1.02E-04	0.00E+00	0.00E+00	0.00E+00	1.57E-05	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00
151	381816.08	3737374.86	9.19E-05	0.00E+00	0.00E+00	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00	9.41E-06	0.00E+00	0.00E+00	0.00E+00
152	381846.08	3737374.86	8.32E-05	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	8.52E-06	0.00E+00	0.00E+00	0.00E+00
153	381876.08	3737374.86	7.56E-05	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	7.74E-06	0.00E+00	0.00E+00	0.00E+00
154	381906.08	3737374.86	6.91E-05	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	7.07E-06	0.00E+00	0.00E+00	0.00E+00
155	381936.08	3737374.86	6.33E-05	0.00E+00	0.00E+00	0.00E+00	9.76E-06	0.00E+00	0.00E+00	0.00E+00	6.48E-06	0.00E+00	0.00E+00	0.00E+00
156	381966.08	3737374.86	5.83E-05	0.00E+00	0.00E+00	0.00E+00	8.98E-06	0.00E+00	0.00E+00	0.00E+00	5.97E-06	0.00E+00	0.00E+00	0.00E+00
157	381996.08	3737374.86	5.38E-05	0.00E+00	0.00E+00	0.00E+00	8.29E-06	0.00E+00	0.00E+00	0.00E+00	5.51E-06	0.00E+00	0.00E+00	0.00E+00
158	382026.08	3737374.86	4.99E-05	0.00E+00	0.00E+00	0.00E+00	7.68E-06	0.00E+00	0.00E+00	0.00E+00	5.11E-06	0.00E+00	0.00E+00	0.00E+00
159	382056.08	3737374.86	4.63E-05	0.00E+00	0.00E+00	0.00E+00	7.14E-06	0.00E+00	0.00E+00	0.00E+00	4.74E-06	0.00E+00	0.00E+00	0.00E+00
160	382086.08	3737374.86	4.32E-05	0.00E+00	0.00E+00	0.00E+00	6.65E-06	0.00E+00	0.00E+00	0.00E+00	4.42E-06	0.00E+00	0.00E+00	0.00E+00
161	382116.08	3737374.86	4.03E-05	0.00E+00	0.00E+00	0.00E+00	6.22E-06	0.00E+00	0.00E+00	0.00E+00	4.13E-06	0.00E+00	0.00E+00	0.00E+00
162	382146.08	3737374.86	3.78E-05	0.00E+00	0.00E+00	0.00E+00	5.82E-06	0.00E+00	0.00E+00	0.00E+00	3.87E-06	0.00E+00	0.00E+00	0.00E+00
163	382176.08	3737374.86	3.54E-05	0.00E+00	0.00E+00	0.00E+00	5.46E-06	0.00E+00	0.00E+00	0.00E+00	3.63E-06	0.00E+00	0.00E+00	0.00E+00
164	382206.08	3737374.86	3.33E-05	0.00E+00	0.00E+00	0.00E+00	5.14E-06	0.00E+00	0.00E+00	0.00E+00	3.41E-06	0.00E+00	0.00E+00	0.00E+00
165	382236.08	3737374.86	3.14E-05	0.00E+00	0.00E+00	0.00E+00	4.84E-06	0.00E+00	0.00E+00	0.00E+00	3.22E-06	0.00E+00	0.00E+00	0.00E+00
166	382266.08	3737374.86	2.97E-05	0.00E+00	0.00E+00	0.00E+00	4.57E-06	0.00E+00	0.00E+00	0.00E+00	3.04E-06	0.00E+00	0.00E+00	0.00E+00
167	382296.08	3737374.86	2.81E-05	0.00E+00	0.00E+00	0.00E+00	4.33E-06	0.00E+00	0.00E+00	0.00E+00	2.88E-06	0.00E+00	0.00E+00	0.00E+00
168	382326.08	3737374.86	2.66E-05	0.00E+00	0.00E+00	0.00E+00	4.10E-06	0.00E+00	0.00E+00	0.00E+00	2.73E-06	0.00E+00	0.00E+00	0.00E+00
169	380799.03	3737078.19	2.26E-04	0.00E+00	0.00E+00	0.00E+00	3.48E-05	0.00E+00	0.00E+00	0.00E+00	2.32E-05	0.00E+00	0.00E+00	0.00E+00
170	380829.03	3737078.19	2.53E-04	0.00E+00	0.00E+00	0.00E+00	3.89E-05	0.00E+00	0.00E+00	0.00E+00	2.59E-05	0.00E+00	0.00E+00	0.00E+00
171	380859.03	3737078.19	2.84E-04	0.00E+00	0.00E+00	0.00E+00	4.37E-05	0.00E+00	0.00E+00	0.00E+00	2.90E-05	0.00E+00	0.00E+00	0.00E+00
172	380889.03	3737078.19	3.22E-04	0.00E+00	0.00E+00	0.00E+00	4.96E-05	0.00E+00	0.00E+00	0.00E+00	3.30E-05	0.00E+00	0.00E+00	0.00E+00
173	380919.03	3737078.19	3.62E-04	0.00E+00	0.00E+00	0.00E+00	5.57E-05	0.00E+00	0.00E+00	0.00E+00	3.70E-05	0.00E+00	0.00E+00	0.00E+00
174	380949.03	3737078.19	3.99E-04	0.00E+00	0.00E+00	0.00E+00	6.15E-05	0.00E+00	0.00E+00	0.00E+00	4.09E-05	0.00E+00	0.00E+00	0.00E+00
175	380979.03	3737078.19	4.39E-04	0.00E+00	0.00E+00	0.00E+00	6.77E-05	0.00E+00	0.00E+00	0.00E+00	4.50E-05	0.00E+00	0.00E+00	0.00E+00
176	381009.03	3737078.19	4.92E-04	0.00E+00	0.00E+00	0.00E+00	7.59E-05	0.00E+00	0.00E+00	0.00E+00	5.04E-05	0.00E+00	0.00E+00	0.00E+00

177	381039.03	3737078.19	5.59E-04	0.00E+00	0.00E+00	0.00E+00	8.62E-05	0.00E+00	0.00E+00	0.00E+00	5.73E-05	0.00E+00	0.00E+00	0.00E+00
178	381069.03	3737078.19	6.25E-04	0.00E+00	0.00E+00	0.00E+00	9.63E-05	0.00E+00	0.00E+00	0.00E+00	6.40E-05	0.00E+00	0.00E+00	0.00E+00
179	381099.03	3737078.19	7.05E-04	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	7.22E-05	0.00E+00	0.00E+00	0.00E+00
180	381129.03	3737078.19	8.25E-04	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	8.46E-05	0.00E+00	0.00E+00	0.00E+00
181	381159.03	3737078.19	1.00E-03	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00
182	381189.03	3737078.19	1.21E-03	0.00E+00	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00
183	381219.03	3737078.19	1.47E-03	0.00E+00	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00
184	381249.03	3737078.19	1.91E-03	0.00E+00	0.00E+00	0.00E+00	2.94E-04	0.00E+00	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00
185	380799.03	3737108.19	2.12E-04	0.00E+00	0.00E+00	0.00E+00	3.26E-05	0.00E+00	0.00E+00	0.00E+00	2.17E-05	0.00E+00	0.00E+00	0.00E+00
186	380829.03	3737108.19	2.36E-04	0.00E+00	0.00E+00	0.00E+00	3.64E-05	0.00E+00	0.00E+00	0.00E+00	2.42E-05	0.00E+00	0.00E+00	0.00E+00
187	380859.03	3737108.19	2.64E-04	0.00E+00	0.00E+00	0.00E+00	4.07E-05	0.00E+00	0.00E+00	0.00E+00	2.70E-05	0.00E+00	0.00E+00	0.00E+00
188	380889.03	3737108.19	2.98E-04	0.00E+00	0.00E+00	0.00E+00	4.59E-05	0.00E+00	0.00E+00	0.00E+00	3.05E-05	0.00E+00	0.00E+00	0.00E+00
189	380919.03	3737108.19	3.35E-04	0.00E+00	0.00E+00	0.00E+00	5.16E-05	0.00E+00	0.00E+00	0.00E+00	3.43E-05	0.00E+00	0.00E+00	0.00E+00
190	380949.03	3737108.19	3.70E-04	0.00E+00	0.00E+00	0.00E+00	5.70E-05	0.00E+00	0.00E+00	0.00E+00	3.79E-05	0.00E+00	0.00E+00	0.00E+00
191	380979.03	3737108.19	4.09E-04	0.00E+00	0.00E+00	0.00E+00	6.31E-05	0.00E+00	0.00E+00	0.00E+00	4.19E-05	0.00E+00	0.00E+00	0.00E+00
192	381009.03	3737108.19	4.64E-04	0.00E+00	0.00E+00	0.00E+00	7.14E-05	0.00E+00	0.00E+00	0.00E+00	4.75E-05	0.00E+00	0.00E+00	0.00E+00
193	381039.03	3737108.19	5.24E-04	0.00E+00	0.00E+00	0.00E+00	8.07E-05	0.00E+00	0.00E+00	0.00E+00	5.36E-05	0.00E+00	0.00E+00	0.00E+00
194	381069.03	3737108.19	5.84E-04	0.00E+00	0.00E+00	0.00E+00	9.00E-05	0.00E+00	0.00E+00	0.00E+00	5.98E-05	0.00E+00	0.00E+00	0.00E+00
195	381099.03	3737108.19	6.61E-04	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	6.77E-05	0.00E+00	0.00E+00	0.00E+00
196	381129.03	3737108.19	7.59E-04	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	7.77E-05	0.00E+00	0.00E+00	0.00E+00
197	381159.03	3737108.19	8.86E-04	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	9.08E-05	0.00E+00	0.00E+00	0.00E+00
198	381189.03	3737108.19	1.05E-03	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00
199	381219.03	3737108.19	1.25E-03	0.00E+00	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00
200	381249.03	3737108.19	1.55E-03	0.00E+00	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	0.00E+00
201	380829.03	3737138.19	2.18E-04	0.00E+00	0.00E+00	0.00E+00	3.36E-05	0.00E+00	0.00E+00	0.00E+00	2.23E-05	0.00E+00	0.00E+00	0.00E+00
202	380859.03	3737138.19	2.44E-04	0.00E+00	0.00E+00	0.00E+00	3.76E-05	0.00E+00	0.00E+00	0.00E+00	2.50E-05	0.00E+00	0.00E+00	0.00E+00
203	380889.03	3737138.19	2.75E-04	0.00E+00	0.00E+00	0.00E+00	4.24E-05	0.00E+00	0.00E+00	0.00E+00	2.82E-05	0.00E+00	0.00E+00	0.00E+00
204	380919.03	3737138.19	3.09E-04	0.00E+00	0.00E+00	0.00E+00	4.77E-05	0.00E+00	0.00E+00	0.00E+00	3.17E-05	0.00E+00	0.00E+00	0.00E+00
205	380949.03	3737138.19	3.43E-04	0.00E+00	0.00E+00	0.00E+00	5.29E-05	0.00E+00	0.00E+00	0.00E+00	3.51E-05	0.00E+00	0.00E+00	0.00E+00
206	380979.03	3737138.19	3.83E-04	0.00E+00	0.00E+00	0.00E+00	5.90E-05	0.00E+00	0.00E+00	0.00E+00	3.92E-05	0.00E+00	0.00E+00	0.00E+00
207	381009.03	3737138.19	4.35E-04	0.00E+00	0.00E+00	0.00E+00	6.70E-05	0.00E+00	0.00E+00	0.00E+00	4.45E-05	0.00E+00	0.00E+00	0.00E+00
208	381039.03	3737138.19	4.88E-04	0.00E+00	0.00E+00	0.00E+00	7.52E-05	0.00E+00	0.00E+00	0.00E+00	5.00E-05	0.00E+00	0.00E+00	0.00E+00
209	381069.03	3737138.19	5.42E-04	0.00E+00	0.00E+00	0.00E+00	8.35E-05	0.00E+00	0.00E+00	0.00E+00	5.55E-05	0.00E+00	0.00E+00	0.00E+00
210	381099.03	3737138.19	6.10E-04	0.00E+00	0.00E+00	0.00E+00	9.40E-05	0.00E+00	0.00E+00	0.00E+00	6.24E-05	0.00E+00	0.00E+00	0.00E+00
211	381129.03	3737138.19	6.87E-04	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	7.04E-05	0.00E+00	0.00E+00	0.00E+00
212	381159.03	3737138.19	7.84E-04	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	8.03E-05	0.00E+00	0.00E+00	0.00E+00
213	381189.03	3737138.19	9.13E-04	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	9.35E-05	0.00E+00	0.00E+00	0.00E+00
214	381219.03	3737138.19	1.08E-03	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00
215	381249.03	3737138.19	1.30E-03	0.00E+00	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00
216	380829.03	3737168.19	2.04E-04	0.00E+00	0.00E+00	0.00E+00	3.15E-05	0.00E+00	0.00E+00	0.00E+00	2.09E-05	0.00E+00	0.00E+00	0.00E+00
217	380859.03	3737168.19	2.27E-04	0.00E+00	0.00E+00	0.00E+00	3.50E-05	0.00E+00	0.00E+00	0.00E+00	2.33E-05	0.00E+00	0.00E+00	0.00E+00
218	380889.03	3737168.19	2.57E-04	0.00E+00	0.00E+00	0.00E+00	3.96E-05	0.00E+00	0.00E+00	0.00E+00	2.63E-05	0.00E+00	0.00E+00	0.00E+00
219	380919.03	3737168.19	2.89E-04	0.00E+00	0.00E+00	0.00E+00	4.45E-05	0.00E+00	0.00E+00	0.00E+00	2.96E-05	0.00E+00	0.00E+00	0.00E+00
220	380949.03	3737168.19	3.21E-04	0.00E+00	0.00E+00	0.00E+00	4.95E-05	0.00E+00	0.00E+00	0.00E+00	3.29E-05	0.00E+00	0.00E+00	0.00E+00
221	380979.03	3737168.19	3.59E-04	0.00E+00	0.00E+00	0.00E+00	5.54E-05	0.00E+00	0.00E+00	0.00E+00	3.68E-05	0.00E+00	0.00E+00	0.00E+00
222	381009.03	3737168.19	4.04E-04	0.00E+00	0.00E+00	0.00E+00	6.22E-05	0.00E+00	0.00E+00	0.00E+00	4.13E-05	0.00E+00	0.00E+00	0.00E+00
223	381039.03	3737168.19	4.49E-04	0.00E+00	0.00E+00	0.00E+00	6.93E-05	0.00E+00	0.00E+00	0.00E+00	4.60E-05	0.00E+00	0.00E+00	0.00E+00
224	381069.03	3737168.19	4.96E-04	0.00E+00	0.00E+00	0.00E+00	7.65E-05	0.00E+00	0.00E+00	0.00E+00	5.08E-05	0.00E+00	0.00E+00	0.00E+00
225	381099.03	3737168.19	5.56E-04	0.00E+00	0.00E+00	0.00E+00	8.56E-05	0.00E+00	0.00E+00	0.00E+00	5.69E-05	0.00E+00	0.00E+00	0.00E+00
226	381129.03	3737168.19	6.26E-04	0.00E+00	0.00E+00	0.00E+00	9.65E-05	0.00E+00	0.00E+00	0.00E+00	6.41E-05	0.00E+00	0.00E+00	0.00E+00
227	381159.03	3737168.19	7.04E-04	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	7.21E-05	0.00E+00	0.00E+00	0.00E+00
228	381189.03	3737168.19	8.02E-04	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	8.21E-05	0.00E+00	0.00E+00	0.00E+00
229	381219.03	3737168.19	9.33E-04	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	9.56E-05	0.00E+00	0.00E+00	0.00E+00
230	381249.03	3737168.19	1.10E-03	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00
231	380859.03	3737198.19	2.16E-04	0.00E+00	0.00E+00	0.00E+00	3.33E-05	0.00E+00	0.00E+00	0.00E+00	2.21E-05	0.00E+00	0.00E+00	0.00E+00
232	380889.03	3737198.19	2.44E-04	0.00E+00	0.00E+00	0.00E+00	3.76E-05	0.00E+00	0.00E+00	0.00E+00	2.50E-05	0.00E+00	0.00E+00	0.00E+00
233	380919.03	3737198.19	2.74E-04	0.00E+00	0.00E+00	0.00E+00	4.23E-05	0.00E+00	0.00E+00	0.00E+00	2.81E-05	0.00E+00	0.00E+00	0.00E+00
234	380949.03	3737198.19	3.05E-04	0.00E+00	0.00E+00	0.00E+00	4.70E-05	0.00E+00	0.00E+00	0.00E+00	3.13E-05	0.00E+00	0.00E+00	0.00E+00
235	380979.03	3737198.19	3.39E-04	0.00E+00	0.00E+00	0.00E+00	5.23E-05	0.00E+00	0.00E+00	0.00E+00	3.48E-05	0.00E+00	0.00E+00	0.00E+00
236	381009.03	3737198.19	3.76E-04	0.00E+00	0.00E+00	0.00E+00	5.80E-05	0.00E+00	0.00E+00	0.00E+00	3.85E-05	0.00E+00	0.00E+00	0.00E+00
237	381039.03	3737198.19	4.14E-04	0.00E+00	0.00E+00	0.00E+00	6.38E-05	0.00E+00	0.00E+00	0.00E+00	4.24E-05	0.00E+00	0.00E+00	0.00E+00
238	381069.03	3737198.19	4.55E-04	0.00E+00	0.00E+00	0.00E+00	7.02E-05	0.00E+00	0.00E+00	0.00E+00	4.66E-05	0.00E+00	0.00E+00	0.00E+00
239	381099.03	3737198.19	5.06E-04	0.00E+00	0.00E+00	0.00E+00	7.80E-05	0.00E+00	0.00E+00	0.00E+00	5.19E-05	0.00E+00	0.00E+00	0.00E+00
240	381129.03	3737198.19	5.70E-04	0.00E+00	0.00E+00	0.00E+00	8.79E-05	0.00E+00	0.00E+00	0.00E+00	5.84E-05	0.00E+00	0.00E+00	0.00E+00
241	381159.03	3737198.19	6.43E-04	0.00E+00	0.00E+00	0.00E+00	9.91E-05	0.00E+00	0.00E+00	0.00E+00	6.59E-05	0.00E+00	0.00E+00	0.00E+00
242	381189.03	3737198.19	7.29E-04	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	7.46E-05	0.00E+00	0.00E+00	0.00E+00
243	381219.03	3737198.19	8.38E-04	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	8.58E-05	0.00E+00	0.00E+00	0.00E+00
244	381249.03	3737198.19	9.77E-04	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00
245	380859.03	3737228.19	2.06E-04	0.00E+00	0.00E+00	0.00E+00	3.17E-05	0.00E+00	0.00E+00	0.00E+00	2.11E-05	0.00E+00	0.00E+00	0.00E+00
246	380889.03	3737228.19	2.32E-04	0.00E+00	0.00E+00	0.00E+00	3.58E-05	0.00E+00	0.00E+00	0.00E+00	2.38E-05	0.00E+00	0.00E+00	0.00E+00
247	380919.03	3737228.19	2.60E-04	0.00E+00	0.00E+00	0.00E+00	4.00E-05	0.00E+00	0.00E+00	0.00E+00	2.66E-05	0.00E+00	0.00E+00	0.00E+00
248	380949.03	3737228.19	2.89E-04	0.00E+00	0.00E+00	0.00E+00	4.45E-05	0.00E+00	0.00E+00	0.00E+00	2.96E-05	0.00E+00	0.00E+00	0.00E+00
249	380979.03	3737228.19	3.20E-04	0.00E+00	0.00E+00	0.00E+00	4.93E-05	0.00E+00	0.00E+00	0.00E+00	3.28E-05	0.00E+00	0.00E+00	0.00E+00
250	381009.03	3737228.19	3.53E-04	0.00E+00	0.00E+00	0.00E+00	5.44E-05	0.00E+00	0.00E+00	0.00E+00	3.62E-05	0.00E+00	0.00E+00	0.00E+00
251	381039.03	3737228.19	3.85E-04	0.00E+00	0.00E+00	0.00E+00	5.94E-05	0.00E+00	0.00E+00	0.00E+00	3.95E-05	0.00E+00	0.00E+00	0.00E+00
252	381069.03	3737228.19	4.24E-04	0.00E+00	0.00E+00	0.00E+00	6.53E-05	0.00E+00	0.00E+00	0.00E+00	4.34E-05	0.00E+00	0.00E+00	0.00E+00
253	381099.03	3737228.19	4.71E-04	0.00E+00	0.00E+00	0.00E+00	7.26E-05	0.00E+00	0.00E+00	0.00E+00	4.83E-05	0.00E+00	0.00E+00	0.00E+00
254	381129.03	3737228.19	5.26E-04	0.00E+00	0.00E+00	0.00E+00	8.11E-05	0.00E+00	0.00E+00	0.00E+00	5.39E-05	0.00E+00	0.00E+00	0.00E+00
255	381159.03	3737228.19	5.91E-04	0.00E+00	0.00E+00	0.00E+00	9.10E-05	0.00E+00	0.00E+00	0.00E+00	6.05E-05	0.00E+00	0.00E+00	0.00E+00
256	381189.03	3737228.19	6.67E-04	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	6.83E-05	0.00E+00	0.00E+00	0.00E+00
257	381219.03	3737228.19	7.57E-04	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	7.75E-05	0.00E+00	0.00E+00	0.00E+00
258	381249.03	3737228.19	8.60E-04	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	8.81E-05	0.00E+00	0.00E+00	0.00E+00
259	380859.03	3737258.19	1.96E-04	0.00E+00	0.00E+00	0.00E+00	3.02E-05	0.00E+00	0.00E+00	0.00E+00	2.01E-05	0.00E+00	0.00E+00	0.00E+00
260	380889.03	3737258.19	2.21E-04	0.00E+00	0.00E+00	0.00E+00	3.40E-05	0.00E+00	0.00E+00	0.00E+00	2.26E-05	0.00E+00	0.00E+00	0.00E+00
261	380919.03	3737258.19	2.47E-04	0.00E+00	0.00E+00	0.00E+00	3.80E-05	0.00E+00	0.00E+00	0.00E+00	2.53E-05	0.00E+00	0.00E+00	0.00E+00
262	380949.03	3737258.19	2.73E-04	0.00E+00	0.00E+00	0.00E+00	4.21E-05	0.00E+00	0.00E+00	0.00E+00	2.80E-05	0.00E+00	0.00E+00	0.00E+00
263	380979.03	3737258.19	3.03E-04	0.00E+00	0.00E+00	0.00E+00	4.67E-05	0.00E+00	0.00E+00	0.00E+00	3.11E-05	0.00E+00	0.00E+00	0.00E+00
264	381009.03	3737258.19	3.34E-04	0.00E+00	0.00E+00	0.00E+00	5.14E-05	0.00E+00	0.00E+00	0.00E+00	3.42E-05	0.00E+00	0.00E+00	0.00E+00
265	381039.03	3737258.19	3.64E-04	0.00E+00	0.00E+00	0.00E+00	5.61E-05	0.00E+00	0.00E+00	0.00E+00	3.73E-05	0.00E+00	0.00E+00	0.00E+00
266	381069.03	3737258.19	3.99E-04	0.00E+00	0.00E+00	0.00E+00	6.15E-05	0.00E+00	0.00E+00	0.00E+00	4.09E-05	0.00E+00	0.00E+00	0.00E+00

267	381099.03	3737258.19	4.41E-04	0.00E+00	0.00E+00	0.00E+00	6.79E-05	0.00E+00	0.00E+00	0.00E+00	4.51E-05	0.00E+00	0.00E+00	0.00E+00
268	381129.03	3737258.19	4.89E-04	0.00E+00	0.00E+00	0.00E+00	7.54E-05	0.00E+00	0.00E+00	0.00E+00	5.01E-05	0.00E+00	0.00E+00	0.00E+00
269	381159.03	3737258.19	5.46E-04	0.00E+00	0.00E+00	0.00E+00	8.41E-05	0.00E+00	0.00E+00	0.00E+00	5.59E-05	0.00E+00	0.00E+00	0.00E+00
270	381189.03	3737258.19	6.09E-04	0.00E+00	0.00E+00	0.00E+00	9.38E-05	0.00E+00	0.00E+00	0.00E+00	6.23E-05	0.00E+00	0.00E+00	0.00E+00
271	381219.03	3737258.19	6.76E-04	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	6.93E-05	0.00E+00	0.00E+00	0.00E+00
272	381249.03	3737258.19	7.58E-04	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	7.76E-05	0.00E+00	0.00E+00	0.00E+00
273	380889.03	3737288.19	2.09E-04	0.00E+00	0.00E+00	0.00E+00	3.23E-05	0.00E+00	0.00E+00	0.00E+00	2.15E-05	0.00E+00	0.00E+00	0.00E+00
274	380919.03	3737288.19	2.33E-04	0.00E+00	0.00E+00	0.00E+00	3.60E-05	0.00E+00	0.00E+00	0.00E+00	2.39E-05	0.00E+00	0.00E+00	0.00E+00
275	380949.03	3737288.19	2.59E-04	0.00E+00	0.00E+00	0.00E+00	3.98E-05	0.00E+00	0.00E+00	0.00E+00	2.65E-05	0.00E+00	0.00E+00	0.00E+00
276	380979.03	3737288.19	2.87E-04	0.00E+00	0.00E+00	0.00E+00	4.42E-05	0.00E+00	0.00E+00	0.00E+00	2.94E-05	0.00E+00	0.00E+00	0.00E+00
277	381009.03	3737288.19	3.15E-04	0.00E+00	0.00E+00	0.00E+00	4.86E-05	0.00E+00	0.00E+00	0.00E+00	3.23E-05	0.00E+00	0.00E+00	0.00E+00
278	381039.03	3737288.19	3.45E-04	0.00E+00	0.00E+00	0.00E+00	5.32E-05	0.00E+00	0.00E+00	0.00E+00	3.54E-05	0.00E+00	0.00E+00	0.00E+00
279	381069.03	3737288.19	3.78E-04	0.00E+00	0.00E+00	0.00E+00	5.82E-05	0.00E+00	0.00E+00	0.00E+00	3.87E-05	0.00E+00	0.00E+00	0.00E+00
280	381099.03	3737288.19	4.13E-04	0.00E+00	0.00E+00	0.00E+00	6.37E-05	0.00E+00	0.00E+00	0.00E+00	4.23E-05	0.00E+00	0.00E+00	0.00E+00
281	381129.03	3737288.19	4.56E-04	0.00E+00	0.00E+00	0.00E+00	7.03E-05	0.00E+00	0.00E+00	0.00E+00	4.67E-05	0.00E+00	0.00E+00	0.00E+00
282	381159.03	3737288.19	5.05E-04	0.00E+00	0.00E+00	0.00E+00	7.78E-05	0.00E+00	0.00E+00	0.00E+00	5.17E-05	0.00E+00	0.00E+00	0.00E+00
283	381189.03	3737288.19	5.57E-04	0.00E+00	0.00E+00	0.00E+00	8.59E-05	0.00E+00	0.00E+00	0.00E+00	5.71E-05	0.00E+00	0.00E+00	0.00E+00
284	381219.03	3737288.19	6.18E-04	0.00E+00	0.00E+00	0.00E+00	9.52E-05	0.00E+00	0.00E+00	0.00E+00	6.33E-05	0.00E+00	0.00E+00	0.00E+00
285	381249.03	3737288.19	6.79E-04	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	6.96E-05	0.00E+00	0.00E+00	0.00E+00
286	380889.03	3737318.19	1.99E-04	0.00E+00	0.00E+00	0.00E+00	3.06E-05	0.00E+00	0.00E+00	0.00E+00	2.03E-05	0.00E+00	0.00E+00	0.00E+00
287	380919.03	3737318.19	2.19E-04	0.00E+00	0.00E+00	0.00E+00	3.38E-05	0.00E+00	0.00E+00	0.00E+00	2.25E-05	0.00E+00	0.00E+00	0.00E+00
288	380949.03	3737318.19	2.43E-04	0.00E+00	0.00E+00	0.00E+00	3.75E-05	0.00E+00	0.00E+00	0.00E+00	2.49E-05	0.00E+00	0.00E+00	0.00E+00
289	380979.03	3737318.19	2.70E-04	0.00E+00	0.00E+00	0.00E+00	4.16E-05	0.00E+00	0.00E+00	0.00E+00	2.76E-05	0.00E+00	0.00E+00	0.00E+00
290	381009.03	3737318.19	2.97E-04	0.00E+00	0.00E+00	0.00E+00	4.58E-05	0.00E+00	0.00E+00	0.00E+00	3.04E-05	0.00E+00	0.00E+00	0.00E+00
291	381039.03	3737318.19	3.26E-04	0.00E+00	0.00E+00	0.00E+00	5.03E-05	0.00E+00	0.00E+00	0.00E+00	3.34E-05	0.00E+00	0.00E+00	0.00E+00
292	381069.03	3737318.19	3.57E-04	0.00E+00	0.00E+00	0.00E+00	5.50E-05	0.00E+00	0.00E+00	0.00E+00	3.65E-05	0.00E+00	0.00E+00	0.00E+00
293	381099.03	3737318.19	3.88E-04	0.00E+00	0.00E+00	0.00E+00	5.98E-05	0.00E+00	0.00E+00	0.00E+00	3.97E-05	0.00E+00	0.00E+00	0.00E+00
294	381129.03	3737318.19	4.26E-04	0.00E+00	0.00E+00	0.00E+00	6.57E-05	0.00E+00	0.00E+00	0.00E+00	4.37E-05	0.00E+00	0.00E+00	0.00E+00
295	381159.03	3737318.19	4.71E-04	0.00E+00	0.00E+00	0.00E+00	7.26E-05	0.00E+00	0.00E+00	0.00E+00	4.82E-05	0.00E+00	0.00E+00	0.00E+00
296	381189.03	3737318.19	5.18E-04	0.00E+00	0.00E+00	0.00E+00	7.98E-05	0.00E+00	0.00E+00	0.00E+00	5.30E-05	0.00E+00	0.00E+00	0.00E+00
297	381219.03	3737318.19	5.67E-04	0.00E+00	0.00E+00	0.00E+00	8.75E-05	0.00E+00	0.00E+00	0.00E+00	5.81E-05	0.00E+00	0.00E+00	0.00E+00
298	381249.03	3737318.19	6.13E-04	0.00E+00	0.00E+00	0.00E+00	9.44E-05	0.00E+00	0.00E+00	0.00E+00	6.28E-05	0.00E+00	0.00E+00	0.00E+00
299	380919.03	3737348.19	2.07E-04	0.00E+00	0.00E+00	0.00E+00	3.19E-05	0.00E+00	0.00E+00	0.00E+00	2.12E-05	0.00E+00	0.00E+00	0.00E+00
300	380949.03	3737348.19	2.29E-04	0.00E+00	0.00E+00	0.00E+00	3.52E-05	0.00E+00	0.00E+00	0.00E+00	2.34E-05	0.00E+00	0.00E+00	0.00E+00
301	380979.03	3737348.19	2.52E-04	0.00E+00	0.00E+00	0.00E+00	3.89E-05	0.00E+00	0.00E+00	0.00E+00	2.59E-05	0.00E+00	0.00E+00	0.00E+00
302	381009.03	3737348.19	2.78E-04	0.00E+00	0.00E+00	0.00E+00	4.29E-05	0.00E+00	0.00E+00	0.00E+00	2.85E-05	0.00E+00	0.00E+00	0.00E+00
303	381039.03	3737348.19	3.09E-04	0.00E+00	0.00E+00	0.00E+00	4.76E-05	0.00E+00	0.00E+00	0.00E+00	3.17E-05	0.00E+00	0.00E+00	0.00E+00
304	381069.03	3737348.19	3.38E-04	0.00E+00	0.00E+00	0.00E+00	5.20E-05	0.00E+00	0.00E+00	0.00E+00	3.46E-05	0.00E+00	0.00E+00	0.00E+00
305	381099.03	3737348.19	3.67E-04	0.00E+00	0.00E+00	0.00E+00	5.65E-05	0.00E+00	0.00E+00	0.00E+00	3.76E-05	0.00E+00	0.00E+00	0.00E+00
306	381129.03	3737348.19	4.01E-04	0.00E+00	0.00E+00	0.00E+00	6.18E-05	0.00E+00	0.00E+00	0.00E+00	4.10E-05	0.00E+00	0.00E+00	0.00E+00
307	381159.03	3737348.19	4.39E-04	0.00E+00	0.00E+00	0.00E+00	6.77E-05	0.00E+00	0.00E+00	0.00E+00	4.50E-05	0.00E+00	0.00E+00	0.00E+00
308	381189.03	3737348.19	4.80E-04	0.00E+00	0.00E+00	0.00E+00	7.39E-05	0.00E+00	0.00E+00	0.00E+00	4.91E-05	0.00E+00	0.00E+00	0.00E+00
309	381219.03	3737348.19	5.19E-04	0.00E+00	0.00E+00	0.00E+00	8.00E-05	0.00E+00	0.00E+00	0.00E+00	5.31E-05	0.00E+00	0.00E+00	0.00E+00
310	381249.03	3737348.19	5.54E-04	0.00E+00	0.00E+00	0.00E+00	8.53E-05	0.00E+00	0.00E+00	0.00E+00	5.67E-05	0.00E+00	0.00E+00	0.00E+00
311	380919.03	3737378.19	1.96E-04	0.00E+00	0.00E+00	0.00E+00	3.02E-05	0.00E+00	0.00E+00	0.00E+00	2.01E-05	0.00E+00	0.00E+00	0.00E+00
312	380949.03	3737378.19	2.16E-04	0.00E+00	0.00E+00	0.00E+00	3.33E-05	0.00E+00	0.00E+00	0.00E+00	2.21E-05	0.00E+00	0.00E+00	0.00E+00
313	380979.03	3737378.19	2.37E-04	0.00E+00	0.00E+00	0.00E+00	3.65E-05	0.00E+00	0.00E+00	0.00E+00	2.43E-05	0.00E+00	0.00E+00	0.00E+00
314	381009.03	3737378.19	2.61E-04	0.00E+00	0.00E+00	0.00E+00	4.02E-05	0.00E+00	0.00E+00	0.00E+00	2.67E-05	0.00E+00	0.00E+00	0.00E+00
315	381039.03	3737378.19	2.92E-04	0.00E+00	0.00E+00	0.00E+00	4.50E-05	0.00E+00	0.00E+00	0.00E+00	2.99E-05	0.00E+00	0.00E+00	0.00E+00
316	381069.03	3737378.19	3.19E-04	0.00E+00	0.00E+00	0.00E+00	4.92E-05	0.00E+00	0.00E+00	0.00E+00	3.27E-05	0.00E+00	0.00E+00	0.00E+00
317	381099.03	3737378.19	3.47E-04	0.00E+00	0.00E+00	0.00E+00	5.34E-05	0.00E+00	0.00E+00	0.00E+00	3.55E-05	0.00E+00	0.00E+00	0.00E+00
318	381129.03	3737378.19	3.77E-04	0.00E+00	0.00E+00	0.00E+00	5.82E-05	0.00E+00	0.00E+00	0.00E+00	3.86E-05	0.00E+00	0.00E+00	0.00E+00
319	381159.03	3737378.19	4.09E-04	0.00E+00	0.00E+00	0.00E+00	6.30E-05	0.00E+00	0.00E+00	0.00E+00	4.19E-05	0.00E+00	0.00E+00	0.00E+00
320	381189.03	3737378.19	4.41E-04	0.00E+00	0.00E+00	0.00E+00	6.80E-05	0.00E+00	0.00E+00	0.00E+00	4.52E-05	0.00E+00	0.00E+00	0.00E+00
321	381219.03	3737378.19	4.74E-04	0.00E+00	0.00E+00	0.00E+00	7.31E-05	0.00E+00	0.00E+00	0.00E+00	4.86E-05	0.00E+00	0.00E+00	0.00E+00
322	381249.03	3737378.19	5.03E-04	0.00E+00	0.00E+00	0.00E+00	7.75E-05	0.00E+00	0.00E+00	0.00E+00	5.15E-05	0.00E+00	0.00E+00	0.00E+00
323	380919.03	3737408.19	1.86E-04	0.00E+00	0.00E+00	0.00E+00	2.87E-05	0.00E+00	0.00E+00	0.00E+00	1.91E-05	0.00E+00	0.00E+00	0.00E+00
324	380949.03	3737408.19	2.05E-04	0.00E+00	0.00E+00	0.00E+00	3.15E-05	0.00E+00	0.00E+00	0.00E+00	2.09E-05	0.00E+00	0.00E+00	0.00E+00
325	380979.03	3737408.19	2.24E-04	0.00E+00	0.00E+00	0.00E+00	3.46E-05	0.00E+00	0.00E+00	0.00E+00	2.30E-05	0.00E+00	0.00E+00	0.00E+00
326	381009.03	3737408.19	2.49E-04	0.00E+00	0.00E+00	0.00E+00	3.83E-05	0.00E+00	0.00E+00	0.00E+00	2.55E-05	0.00E+00	0.00E+00	0.00E+00
327	381039.03	3737408.19	2.75E-04	0.00E+00	0.00E+00	0.00E+00	4.24E-05	0.00E+00	0.00E+00	0.00E+00	2.82E-05	0.00E+00	0.00E+00	0.00E+00
328	381069.03	3737408.19	3.00E-04	0.00E+00	0.00E+00	0.00E+00	4.62E-05	0.00E+00	0.00E+00	0.00E+00	3.07E-05	0.00E+00	0.00E+00	0.00E+00
329	381099.03	3737408.19	3.25E-04	0.00E+00	0.00E+00	0.00E+00	5.01E-05	0.00E+00	0.00E+00	0.00E+00	3.33E-05	0.00E+00	0.00E+00	0.00E+00
330	381129.03	3737408.19	3.53E-04	0.00E+00	0.00E+00	0.00E+00	5.44E-05	0.00E+00	0.00E+00	0.00E+00	3.61E-05	0.00E+00	0.00E+00	0.00E+00
331	381159.03	3737408.19	3.79E-04	0.00E+00	0.00E+00	0.00E+00	5.84E-05	0.00E+00	0.00E+00	0.00E+00	3.88E-05	0.00E+00	0.00E+00	0.00E+00
332	381189.03	3737408.19	4.06E-04	0.00E+00	0.00E+00	0.00E+00	6.26E-05	0.00E+00	0.00E+00	0.00E+00	4.16E-05	0.00E+00	0.00E+00	0.00E+00
333	381219.03	3737408.19	4.35E-04	0.00E+00	0.00E+00	0.00E+00	6.70E-05	0.00E+00	0.00E+00	0.00E+00	4.45E-05	0.00E+00	0.00E+00	0.00E+00
334	381249.03	3737408.19	4.60E-04	0.00E+00	0.00E+00	0.00E+00	7.10E-05	0.00E+00	0.00E+00	0.00E+00	4.72E-05	0.00E+00	0.00E+00	0.00E+00
335	380949.03	3737438.19	1.94E-04	0.00E+00	0.00E+00	0.00E+00	3.00E-05	0.00E+00	0.00E+00	0.00E+00	1.99E-05	0.00E+00	0.00E+00	0.00E+00
336	380979.03	3737438.19	2.14E-04	0.00E+00	0.00E+00	0.00E+00	3.30E-05	0.00E+00	0.00E+00	0.00E+00	2.19E-05	0.00E+00	0.00E+00	0.00E+00
337	381009.03	3737438.19	2.38E-04	0.00E+00	0.00E+00	0.00E+00	3.66E-05	0.00E+00	0.00E+00	0.00E+00	2.43E-05	0.00E+00	0.00E+00	0.00E+00
338	381039.03	3737438.19	2.60E-04	0.00E+00	0.00E+00	0.00E+00	4.01E-05	0.00E+00	0.00E+00	0.00E+00	2.67E-05	0.00E+00	0.00E+00	0.00E+00
339	381069.03	3737438.19	2.82E-04	0.00E+00	0.00E+00	0.00E+00	4.35E-05	0.00E+00	0.00E+00	0.00E+00	2.89E-05	0.00E+00	0.00E+00	0.00E+00
340	381099.03	3737438.19	3.06E-04	0.00E+00	0.00E+00	0.00E+00	4.72E-05	0.00E+00	0.00E+00	0.00E+00	3.13E-05	0.00E+00	0.00E+00	0.00E+00
341	381129.03	3737438.19	3.30E-04	0.00E+00	0.00E+00	0.00E+00	5.08E-05	0.00E+00	0.00E+00	0.00E+00	3.38E-05	0.00E+00	0.00E+00	0.00E+00
342	381159.03	3737438.19	3.53E-04	0.00E+00	0.00E+00	0.00E+00	5.44E-05	0.00E+00	0.00E+00	0.00E+00	3.61E-05	0.00E+00	0.00E+00	0.00E+00
343	381189.03	3737438.19	3.76E-04	0.00E+00	0.00E+00	0.00E+00	5.80E-05	0.00E+00	0.00E+00	0.00E+00	3.86E-05	0.00E+00	0.00E+00	0.00E+00
344	381219.03	3737438.19	4.02E-04	0.00E+00	0.00E+00	0.00E+00	6.19E-05	0.00E+00	0.00E+00	0.00E+00	4.11E-05	0.00E+00	0.00E+00	0.00E+00
345	381249.03	3737438.19	4.23E-04	0.00E+00	0.00E+00	0.00E+00	6.53E-05	0.00E+00	0.00E+00	0.00E+00	4.34E-05	0.00E+00	0.00E+00	0.00E+00
346	380949.03	3737468.19	1.85E-04	0.00E+00	0.00E+00	0.00E+00	2.85E-05	0.00E+00	0.00E+00	0.00E+00	1.89E-05	0.00E+00	0.00E+00	0.00E+00
347	380979.03	3737468.19	2.04E-04	0.00E+00	0.00E+00	0.00E+00	3.15E-05	0.00E+00	0.00E+00	0.00E+00	2.09E-05	0.00E+00	0.00E+00	0.00E+00
348	381009.03	3737468.19	2.25E-04	0.00E+00	0.00E+00	0.00E+00	3.47E-05	0.00E+00	0.00E+00	0.00E+00	2.31E-05	0.00E+00	0.00E+00	0.00E+00
349	381039.03	3737468.19	2.45E-04	0.00E+00	0.00E+00	0.00E+00	3.78E-05	0.00E+00	0.00E+00	0.00E+00	2.51E-05	0.00E+00	0.00E+00	0.00E+00
350	381069.03	3737468.19	2.66E-04	0.00E+00	0.00E+00	0.00E+00	4.10E-05	0.00E+00	0.00E+00	0.00E+00	2.73E-05	0.00E+00	0.00E+00	0.00E+00
351	381099.03	3737468.19	2.89E-04	0.00E+00	0.00E+00	0.00E+00	4.45E-05	0.00E+00	0.00E+00	0.00E+00	2.96E-05	0.00E+00	0.00E+00	0.00E+00
352	381129.03	3737468.19	3.09E-04	0.00E+00	0.00E+00	0.00E+00	4.77E-05	0.00E+00	0.00E+00	0.00E+00	3.17E-05	0.00E+00	0.00E+00	0.00E+00
353	381159.03	3737468.19	3.28E-04	0.00E+00	0.00E+00	0.00E+00	5.06E-05	0.00E+00	0.00E+00	0.00E+00	3.36E-05	0.00E+00	0.00E+00	0.00E+00
354	381189.03	3737468.19	3.50E-04	0.00E+00	0.00E+00	0.00E+00	5.40E-05	0.00E+00	0.00E+00	0.00E+00	3.59E-05	0.00E+00	0.00E+00	0.00E+00
355	381219.03	3737468.19	3.74E-04	0.00E+00	0.00E+00	0.00E+00	5.76E-05	0.00E+00	0.00E+00	0.00E+00	3.83E-05	0.00E+00	0.00E+00	0.00E+00
356	381249.03	3737468.19	3.92E-04	0.00E+00	0.00E+00	0.00E+00	6.04E-05	0.00E+00	0.00E+00	0.00E+00	4.01E-05	0.00E+00	0.00E+00	0.00E+00

357	380979.03	3737498.19	1.94E-04	0.00E+00	0.00E+00	0.00E+00	2.99E-05	0.00E+00	0.00E+00	0.00E+00	1.99E-05	0.00E+00	0.00E+00	0.00E+00
358	381009.03	3737498.19	2.13E-04	0.00E+00	0.00E+00	0.00E+00	3.28E-05	0.00E+00	0.00E+00	0.00E+00	2.18E-05	0.00E+00	0.00E+00	0.00E+00
359	381039.03	3737498.19	2.32E-04	0.00E+00	0.00E+00	0.00E+00	3.57E-05	0.00E+00	0.00E+00	0.00E+00	2.38E-05	0.00E+00	0.00E+00	0.00E+00
360	381069.03	3737498.19	2.52E-04	0.00E+00	0.00E+00	0.00E+00	3.88E-05	0.00E+00	0.00E+00	0.00E+00	2.58E-05	0.00E+00	0.00E+00	0.00E+00
361	381099.03	3737498.19	2.72E-04	0.00E+00	0.00E+00	0.00E+00	4.20E-05	0.00E+00	0.00E+00	0.00E+00	2.79E-05	0.00E+00	0.00E+00	0.00E+00
362	381129.03	3737498.19	2.90E-04	0.00E+00	0.00E+00	0.00E+00	4.48E-05	0.00E+00	0.00E+00	0.00E+00	2.97E-05	0.00E+00	0.00E+00	0.00E+00
363	381159.03	3737498.19	3.08E-04	0.00E+00	0.00E+00	0.00E+00	4.74E-05	0.00E+00	0.00E+00	0.00E+00	3.15E-05	0.00E+00	0.00E+00	0.00E+00
364	381189.03	3737498.19	3.27E-04	0.00E+00	0.00E+00	0.00E+00	5.04E-05	0.00E+00	0.00E+00	0.00E+00	3.35E-05	0.00E+00	0.00E+00	0.00E+00
365	381219.03	3737498.19	3.47E-04	0.00E+00	0.00E+00	0.00E+00	5.35E-05	0.00E+00	0.00E+00	0.00E+00	3.56E-05	0.00E+00	0.00E+00	0.00E+00
366	381249.03	3737498.19	3.63E-04	0.00E+00	0.00E+00	0.00E+00	5.59E-05	0.00E+00	0.00E+00	0.00E+00	3.72E-05	0.00E+00	0.00E+00	0.00E+00
367	380979.03	3737528.19	1.84E-04	0.00E+00	0.00E+00	0.00E+00	2.84E-05	0.00E+00	0.00E+00	0.00E+00	1.89E-05	0.00E+00	0.00E+00	0.00E+00
368	381009.03	3737528.19	2.02E-04	0.00E+00	0.00E+00	0.00E+00	3.11E-05	0.00E+00	0.00E+00	0.00E+00	2.06E-05	0.00E+00	0.00E+00	0.00E+00
369	381039.03	3737528.19	2.20E-04	0.00E+00	0.00E+00	0.00E+00	3.39E-05	0.00E+00	0.00E+00	0.00E+00	2.26E-05	0.00E+00	0.00E+00	0.00E+00
370	381069.03	3737528.19	2.39E-04	0.00E+00	0.00E+00	0.00E+00	3.69E-05	0.00E+00	0.00E+00	0.00E+00	2.45E-05	0.00E+00	0.00E+00	0.00E+00
371	381099.03	3737528.19	2.57E-04	0.00E+00	0.00E+00	0.00E+00	3.97E-05	0.00E+00	0.00E+00	0.00E+00	2.64E-05	0.00E+00	0.00E+00	0.00E+00
372	381129.03	3737528.19	2.74E-04	0.00E+00	0.00E+00	0.00E+00	4.23E-05	0.00E+00	0.00E+00	0.00E+00	2.81E-05	0.00E+00	0.00E+00	0.00E+00
373	381159.03	3737528.19	2.90E-04	0.00E+00	0.00E+00	0.00E+00	4.47E-05	0.00E+00	0.00E+00	0.00E+00	2.97E-05	0.00E+00	0.00E+00	0.00E+00
374	381189.03	3737528.19	3.07E-04	0.00E+00	0.00E+00	0.00E+00	4.73E-05	0.00E+00	0.00E+00	0.00E+00	3.14E-05	0.00E+00	0.00E+00	0.00E+00
375	381219.03	3737528.19	3.24E-04	0.00E+00	0.00E+00	0.00E+00	4.99E-05	0.00E+00	0.00E+00	0.00E+00	3.31E-05	0.00E+00	0.00E+00	0.00E+00
376	381249.03	3737528.19	3.36E-04	0.00E+00	0.00E+00	0.00E+00	5.17E-05	0.00E+00	0.00E+00	0.00E+00	3.44E-05	0.00E+00	0.00E+00	0.00E+00
377	380979.03	3737558.19	1.76E-04	0.00E+00	0.00E+00	0.00E+00	2.71E-05	0.00E+00	0.00E+00	0.00E+00	1.80E-05	0.00E+00	0.00E+00	0.00E+00
378	381009.03	3737558.19	1.92E-04	0.00E+00	0.00E+00	0.00E+00	2.95E-05	0.00E+00	0.00E+00	0.00E+00	1.96E-05	0.00E+00	0.00E+00	0.00E+00
379	381039.03	3737558.19	2.09E-04	0.00E+00	0.00E+00	0.00E+00	3.22E-05	0.00E+00	0.00E+00	0.00E+00	2.14E-05	0.00E+00	0.00E+00	0.00E+00
380	381069.03	3737558.19	2.27E-04	0.00E+00	0.00E+00	0.00E+00	3.49E-05	0.00E+00	0.00E+00	0.00E+00	2.32E-05	0.00E+00	0.00E+00	0.00E+00
381	381099.03	3737558.19	2.43E-04	0.00E+00	0.00E+00	0.00E+00	3.74E-05	0.00E+00	0.00E+00	0.00E+00	2.49E-05	0.00E+00	0.00E+00	0.00E+00
382	381129.03	3737558.19	2.58E-04	0.00E+00	0.00E+00	0.00E+00	3.98E-05	0.00E+00	0.00E+00	0.00E+00	2.65E-05	0.00E+00	0.00E+00	0.00E+00
383	381159.03	3737558.19	2.73E-04	0.00E+00	0.00E+00	0.00E+00	4.21E-05	0.00E+00	0.00E+00	0.00E+00	2.80E-05	0.00E+00	0.00E+00	0.00E+00
384	381189.03	3737558.19	2.88E-04	0.00E+00	0.00E+00	0.00E+00	4.44E-05	0.00E+00	0.00E+00	0.00E+00	2.95E-05	0.00E+00	0.00E+00	0.00E+00
385	381219.03	3737558.19	3.02E-04	0.00E+00	0.00E+00	0.00E+00	4.65E-05	0.00E+00	0.00E+00	0.00E+00	3.09E-05	0.00E+00	0.00E+00	0.00E+00
386	381249.03	3737558.19	3.12E-04	0.00E+00	0.00E+00	0.00E+00	4.81E-05	0.00E+00	0.00E+00	0.00E+00	3.19E-05	0.00E+00	0.00E+00	0.00E+00
387	381009.03	3737588.19	1.83E-04	0.00E+00	0.00E+00	0.00E+00	2.82E-05	0.00E+00	0.00E+00	0.00E+00	1.87E-05	0.00E+00	0.00E+00	0.00E+00
388	381039.03	3737588.19	1.98E-04	0.00E+00	0.00E+00	0.00E+00	3.06E-05	0.00E+00	0.00E+00	0.00E+00	2.03E-05	0.00E+00	0.00E+00	0.00E+00
389	381069.03	3737588.19	2.14E-04	0.00E+00	0.00E+00	0.00E+00	3.30E-05	0.00E+00	0.00E+00	0.00E+00	2.19E-05	0.00E+00	0.00E+00	0.00E+00
390	381099.03	3737588.19	2.29E-04	0.00E+00	0.00E+00	0.00E+00	3.53E-05	0.00E+00	0.00E+00	0.00E+00	2.35E-05	0.00E+00	0.00E+00	0.00E+00
391	381129.03	3737588.19	2.43E-04	0.00E+00	0.00E+00	0.00E+00	3.75E-05	0.00E+00	0.00E+00	0.00E+00	2.49E-05	0.00E+00	0.00E+00	0.00E+00
392	381159.03	3737588.19	2.57E-04	0.00E+00	0.00E+00	0.00E+00	3.96E-05	0.00E+00	0.00E+00	0.00E+00	2.63E-05	0.00E+00	0.00E+00	0.00E+00
393	381189.03	3737588.19	2.70E-04	0.00E+00	0.00E+00	0.00E+00	4.16E-05	0.00E+00	0.00E+00	0.00E+00	2.76E-05	0.00E+00	0.00E+00	0.00E+00
394	381219.03	3737588.19	2.81E-04	0.00E+00	0.00E+00	0.00E+00	4.33E-05	0.00E+00	0.00E+00	0.00E+00	2.88E-05	0.00E+00	0.00E+00	0.00E+00
395	381249.03	3737588.19	2.91E-04	0.00E+00	0.00E+00	0.00E+00	4.48E-05	0.00E+00	0.00E+00	0.00E+00	2.98E-05	0.00E+00	0.00E+00	0.00E+00
396	381009.03	3737618.19	1.76E-04	0.00E+00	0.00E+00	0.00E+00	2.72E-05	0.00E+00	0.00E+00	0.00E+00	1.81E-05	0.00E+00	0.00E+00	0.00E+00
397	381039.03	3737618.19	1.90E-04	0.00E+00	0.00E+00	0.00E+00	2.92E-05	0.00E+00	0.00E+00	0.00E+00	1.94E-05	0.00E+00	0.00E+00	0.00E+00
398	381069.03	3737618.19	2.03E-04	0.00E+00	0.00E+00	0.00E+00	3.13E-05	0.00E+00	0.00E+00	0.00E+00	2.08E-05	0.00E+00	0.00E+00	0.00E+00
399	381099.03	3737618.19	2.17E-04	0.00E+00	0.00E+00	0.00E+00	3.34E-05	0.00E+00	0.00E+00	0.00E+00	2.22E-05	0.00E+00	0.00E+00	0.00E+00
400	381129.03	3737618.19	2.29E-04	0.00E+00	0.00E+00	0.00E+00	3.54E-05	0.00E+00	0.00E+00	0.00E+00	2.35E-05	0.00E+00	0.00E+00	0.00E+00
401	381159.03	3737618.19	2.42E-04	0.00E+00	0.00E+00	0.00E+00	3.73E-05	0.00E+00	0.00E+00	0.00E+00	2.48E-05	0.00E+00	0.00E+00	0.00E+00
402	381189.03	3737618.19	2.54E-04	0.00E+00	0.00E+00	0.00E+00	3.91E-05	0.00E+00	0.00E+00	0.00E+00	2.60E-05	0.00E+00	0.00E+00	0.00E+00
403	381219.03	3737618.19	2.63E-04	0.00E+00	0.00E+00	0.00E+00	4.06E-05	0.00E+00	0.00E+00	0.00E+00	2.70E-05	0.00E+00	0.00E+00	0.00E+00
404	381249.03	3737618.19	2.72E-04	0.00E+00	0.00E+00	0.00E+00	4.19E-05	0.00E+00	0.00E+00	0.00E+00	2.79E-05	0.00E+00	0.00E+00	0.00E+00
405	381039.03	3737648.19	1.80E-04	0.00E+00	0.00E+00	0.00E+00	2.78E-05	0.00E+00	0.00E+00	0.00E+00	1.85E-05	0.00E+00	0.00E+00	0.00E+00
406	381069.03	3737648.19	1.93E-04	0.00E+00	0.00E+00	0.00E+00	2.97E-05	0.00E+00	0.00E+00	0.00E+00	1.97E-05	0.00E+00	0.00E+00	0.00E+00
407	381099.03	3737648.19	2.06E-04	0.00E+00	0.00E+00	0.00E+00	3.17E-05	0.00E+00	0.00E+00	0.00E+00	2.11E-05	0.00E+00	0.00E+00	0.00E+00
408	381129.03	3737648.19	2.17E-04	0.00E+00	0.00E+00	0.00E+00	3.35E-05	0.00E+00	0.00E+00	0.00E+00	2.23E-05	0.00E+00	0.00E+00	0.00E+00
409	381159.03	3737648.19	2.28E-04	0.00E+00	0.00E+00	0.00E+00	3.52E-05	0.00E+00	0.00E+00	0.00E+00	2.34E-05	0.00E+00	0.00E+00	0.00E+00
410	381189.03	3737648.19	2.39E-04	0.00E+00	0.00E+00	0.00E+00	3.68E-05	0.00E+00	0.00E+00	0.00E+00	2.45E-05	0.00E+00	0.00E+00	0.00E+00
411	381219.03	3737648.19	2.48E-04	0.00E+00	0.00E+00	0.00E+00	3.82E-05	0.00E+00	0.00E+00	0.00E+00	2.54E-05	0.00E+00	0.00E+00	0.00E+00
412	381249.03	3737648.19	2.55E-04	0.00E+00	0.00E+00	0.00E+00	3.92E-05	0.00E+00	0.00E+00	0.00E+00	2.61E-05	0.00E+00	0.00E+00	0.00E+00
413	381039.03	3737678.19	1.72E-04	0.00E+00	0.00E+00	0.00E+00	2.65E-05	0.00E+00	0.00E+00	0.00E+00	1.76E-05	0.00E+00	0.00E+00	0.00E+00
414	381069.03	3737678.19	1.84E-04	0.00E+00	0.00E+00	0.00E+00	2.84E-05	0.00E+00	0.00E+00	0.00E+00	1.89E-05	0.00E+00	0.00E+00	0.00E+00
415	381099.03	3737678.19	1.96E-04	0.00E+00	0.00E+00	0.00E+00	3.01E-05	0.00E+00	0.00E+00	0.00E+00	2.00E-05	0.00E+00	0.00E+00	0.00E+00
416	381129.03	3737678.19	2.05E-04	0.00E+00	0.00E+00	0.00E+00	3.16E-05	0.00E+00	0.00E+00	0.00E+00	2.10E-05	0.00E+00	0.00E+00	0.00E+00
417	381159.03	3737678.19	2.15E-04	0.00E+00	0.00E+00	0.00E+00	3.31E-05	0.00E+00	0.00E+00	0.00E+00	2.20E-05	0.00E+00	0.00E+00	0.00E+00
418	381189.03	3737678.19	2.25E-04	0.00E+00	0.00E+00	0.00E+00	3.46E-05	0.00E+00	0.00E+00	0.00E+00	2.30E-05	0.00E+00	0.00E+00	0.00E+00
419	381219.03	3737678.19	2.33E-04	0.00E+00	0.00E+00	0.00E+00	3.58E-05	0.00E+00	0.00E+00	0.00E+00	2.38E-05	0.00E+00	0.00E+00	0.00E+00
420	381249.03	3737678.19	2.38E-04	0.00E+00	0.00E+00	0.00E+00	3.67E-05	0.00E+00	0.00E+00	0.00E+00	2.44E-05	0.00E+00	0.00E+00	0.00E+00
421	380645.78	3736414.3	5.44E-04	0.00E+00	0.00E+00	0.00E+00	8.39E-05	0.00E+00	0.00E+00	0.00E+00	5.57E-05	0.00E+00	0.00E+00	0.00E+00
422	380675.78	3736414.3	7.60E-04	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	7.78E-05	0.00E+00	0.00E+00	0.00E+00
423	380705.78	3736414.3	1.08E-03	0.00E+00	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00
424	380735.78	3736414.3	1.54E-03	0.00E+00	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00
425	380615.78	3736444.3	3.51E-04	0.00E+00	0.00E+00	0.00E+00	5.41E-05	0.00E+00	0.00E+00	0.00E+00	3.59E-05	0.00E+00	0.00E+00	0.00E+00
426	380645.78	3736444.3	4.92E-04	0.00E+00	0.00E+00	0.00E+00	7.58E-05	0.00E+00	0.00E+00	0.00E+00	5.04E-05	0.00E+00	0.00E+00	0.00E+00
427	380675.78	3736444.3	6.65E-04	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	6.81E-05	0.00E+00	0.00E+00	0.00E+00
428	380705.78	3736444.3	9.19E-04	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	9.41E-05	0.00E+00	0.00E+00	0.00E+00
429	380735.78	3736444.3	1.29E-03	0.00E+00	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00
430	380765.78	3736444.3	1.82E-03	0.00E+00	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	0.00E+00
431	380615.78	3736474.3	3.22E-04	0.00E+00	0.00E+00	0.00E+00	4.97E-05	0.00E+00	0.00E+00	0.00E+00	3.30E-05	0.00E+00	0.00E+00	0.00E+00
432	380645.78	3736474.3	4.41E-04	0.00E+00	0.00E+00	0.00E+00	6.80E-05	0.00E+00	0.00E+00	0.00E+00	4.52E-05	0.00E+00	0.00E+00	0.00E+00
433	380675.78	3736474.3	5.89E-04	0.00E+00	0.00E+00	0.00E+00	9.08E-05	0.00E+00	0.00E+00	0.00E+00	6.03E-05	0.00E+00	0.00E+00	0.00E+00
434	380705.78	3736474.3	8.01E-04	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	8.21E-05	0.00E+00	0.00E+00	0.00E+00
435	380735.78	3736474.3	1.10E-03	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00
436	380765.78	3736474.3	1.52E-03	0.00E+00	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00
437	380795.78	3736474.3	2.08E-03	0.00E+00	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	0.00E+00
438	380615.78	3736504.3	2.90E-04	0.00E+00	0.00E+00	0.00E+00	4.47E-05	0.00E+00	0.00E+00	0.00E+00	2.97E-05	0.00E+00	0.00E+00	0.00E+00
439	380645.78	3736504.3	3.93E-04	0.00E+00	0.00E+00	0.00E+00	6.05E-05	0.00E+00	0.00E+00	0.00E+00	4.02E-05	0.00E+00	0.00E+00	0.00E+00
440	380675.78	3736504.3	5.23E-04	0.00E+00	0.00E+00	0.00E+00	8.06E-05	0.00E+00	0.00E+00	0.00E+00	5.35E-05	0.00E+00	0.00E+00	0.00E+00
441	380705.78	3736504.3	7.04E-04	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	7.21E-05	0.00E+00	0.00E+00	0.00E+00
442	380735.78	3736504.3	9.57E-04	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	9.80E-05	0.00E+00	0.00E+00	0.00E+00
443	380765.78	3736504.3	1.32E-03	0.00E+00	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00
444	380795.78	3736504.3	1.80E-03	0.00E+00	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	0.00E+00
445	380825.78	3736504.3	2.37E-03	0.00E+00	0.00E+00	0.00E+00	3.66E-04	0.00E+00	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	0.00E+00
446	380855.78	3736504.3	3.01E-03	0.00E+00	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00	0.00E+00	3.09E-04	0.00E+00	0.00E+00	0.00E+00

447	380615.78	3736534.3	2.70E-04	0.00E+00	0.00E+00	0.00E+00	4.16E-05	0.00E+00	0.00E+00	0.00E+00	2.77E-05	0.00E+00	0.00E+00	0.00E+00
448	380645.78	3736534.3	3.59E-04	0.00E+00	0.00E+00	0.00E+00	5.54E-05	0.00E+00	0.00E+00	0.00E+00	3.68E-05	0.00E+00	0.00E+00	0.00E+00
449	380675.78	3736534.3	4.75E-04	0.00E+00	0.00E+00	0.00E+00	7.33E-05	0.00E+00	0.00E+00	0.00E+00	4.87E-05	0.00E+00	0.00E+00	0.00E+00
450	380705.78	3736534.3	6.35E-04	0.00E+00	0.00E+00	0.00E+00	9.79E-05	0.00E+00	0.00E+00	0.00E+00	6.51E-05	0.00E+00	0.00E+00	0.00E+00
451	380735.78	3736534.3	8.43E-04	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	8.64E-05	0.00E+00	0.00E+00	0.00E+00
452	380765.78	3736534.3	1.15E-03	0.00E+00	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00
453	380795.78	3736534.3	1.60E-03	0.00E+00	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	0.00E+00
454	380825.78	3736534.3	2.09E-03	0.00E+00	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	0.00E+00
455	380855.78	3736534.3	2.50E-03	0.00E+00	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00	0.00E+00
456	380885.78	3736534.3	3.13E-03	0.00E+00	0.00E+00	0.00E+00	4.83E-04	0.00E+00	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00	0.00E+00
457	380615.78	3736564.3	2.57E-04	0.00E+00	0.00E+00	0.00E+00	3.96E-05	0.00E+00	0.00E+00	0.00E+00	2.63E-05	0.00E+00	0.00E+00	0.00E+00
458	380645.78	3736564.3	3.34E-04	0.00E+00	0.00E+00	0.00E+00	5.15E-05	0.00E+00	0.00E+00	0.00E+00	3.42E-05	0.00E+00	0.00E+00	0.00E+00
459	380675.78	3736564.3	4.39E-04	0.00E+00	0.00E+00	0.00E+00	6.76E-05	0.00E+00	0.00E+00	0.00E+00	4.49E-05	0.00E+00	0.00E+00	0.00E+00
460	380705.78	3736564.3	5.69E-04	0.00E+00	0.00E+00	0.00E+00	8.77E-05	0.00E+00	0.00E+00	0.00E+00	5.83E-05	0.00E+00	0.00E+00	0.00E+00
461	380735.78	3736564.3	7.55E-04	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	7.73E-05	0.00E+00	0.00E+00	0.00E+00
462	380765.78	3736564.3	1.01E-03	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00
463	380795.78	3736564.3	1.38E-03	0.00E+00	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00
464	380825.78	3736564.3	1.77E-03	0.00E+00	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	0.00E+00
465	380855.78	3736564.3	2.09E-03	0.00E+00	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	0.00E+00
466	380885.78	3736564.3	2.60E-03	0.00E+00	0.00E+00	0.00E+00	4.01E-04	0.00E+00	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	0.00E+00
467	380915.78	3736564.3	3.21E-03	0.00E+00	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	0.00E+00
468	380615.78	3736594.3	2.47E-04	0.00E+00	0.00E+00	0.00E+00	3.80E-05	0.00E+00	0.00E+00	0.00E+00	2.53E-05	0.00E+00	0.00E+00	0.00E+00
469	380645.78	3736594.3	3.11E-04	0.00E+00	0.00E+00	0.00E+00	4.80E-05	0.00E+00	0.00E+00	0.00E+00	3.19E-05	0.00E+00	0.00E+00	0.00E+00
470	380675.78	3736594.3	3.97E-04	0.00E+00	0.00E+00	0.00E+00	6.12E-05	0.00E+00	0.00E+00	0.00E+00	4.07E-05	0.00E+00	0.00E+00	0.00E+00
471	380705.78	3736594.3	5.11E-04	0.00E+00	0.00E+00	0.00E+00	7.87E-05	0.00E+00	0.00E+00	0.00E+00	5.23E-05	0.00E+00	0.00E+00	0.00E+00
472	380735.78	3736594.3	6.65E-04	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	6.81E-05	0.00E+00	0.00E+00	0.00E+00
473	380765.78	3736594.3	8.72E-04	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	8.93E-05	0.00E+00	0.00E+00	0.00E+00
474	380795.78	3736594.3	1.15E-03	0.00E+00	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00
475	380825.78	3736594.3	1.47E-03	0.00E+00	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00
476	380855.78	3736594.3	1.80E-03	0.00E+00	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	0.00E+00
477	380885.78	3736594.3	2.17E-03	0.00E+00	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	0.00E+00
478	380915.78	3736594.3	2.60E-03	0.00E+00	0.00E+00	0.00E+00	4.01E-04	0.00E+00	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	0.00E+00
479	380945.78	3736594.3	3.13E-03	0.00E+00	0.00E+00	0.00E+00	4.82E-04	0.00E+00	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00	0.00E+00
480	380615.78	3736624.3	2.27E-04	0.00E+00	0.00E+00	0.00E+00	3.49E-05	0.00E+00	0.00E+00	0.00E+00	2.32E-05	0.00E+00	0.00E+00	0.00E+00
481	380645.78	3736624.3	2.85E-04	0.00E+00	0.00E+00	0.00E+00	4.39E-05	0.00E+00	0.00E+00	0.00E+00	2.92E-05	0.00E+00	0.00E+00	0.00E+00
482	380675.78	3736624.3	3.58E-04	0.00E+00	0.00E+00	0.00E+00	5.52E-05	0.00E+00	0.00E+00	0.00E+00	3.67E-05	0.00E+00	0.00E+00	0.00E+00
483	380705.78	3736624.3	4.53E-04	0.00E+00	0.00E+00	0.00E+00	6.98E-05	0.00E+00	0.00E+00	0.00E+00	4.64E-05	0.00E+00	0.00E+00	0.00E+00
484	380735.78	3736624.3	5.74E-04	0.00E+00	0.00E+00	0.00E+00	8.84E-05	0.00E+00	0.00E+00	0.00E+00	5.88E-05	0.00E+00	0.00E+00	0.00E+00
485	380765.78	3736624.3	7.26E-04	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	7.44E-05	0.00E+00	0.00E+00	0.00E+00
486	380795.78	3736624.3	9.37E-04	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	9.60E-05	0.00E+00	0.00E+00	0.00E+00
487	380825.78	3736624.3	1.19E-03	0.00E+00	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00
488	380855.78	3736624.3	1.45E-03	0.00E+00	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00
489	380885.78	3736624.3	1.76E-03	0.00E+00	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	0.00E+00
490	380915.78	3736624.3	2.06E-03	0.00E+00	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	0.00E+00
491	380945.78	3736624.3	2.44E-03	0.00E+00	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	0.00E+00
492	380975.78	3736624.3	2.88E-03	0.00E+00	0.00E+00	0.00E+00	4.44E-04	0.00E+00	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00	0.00E+00
493	380615.78	3736654.3	2.09E-04	0.00E+00	0.00E+00	0.00E+00	3.22E-05	0.00E+00	0.00E+00	0.00E+00	2.14E-05	0.00E+00	0.00E+00	0.00E+00
494	380645.78	3736654.3	2.61E-04	0.00E+00	0.00E+00	0.00E+00	4.02E-05	0.00E+00	0.00E+00	0.00E+00	2.67E-05	0.00E+00	0.00E+00	0.00E+00
495	380675.78	3736654.3	3.25E-04	0.00E+00	0.00E+00	0.00E+00	5.00E-05	0.00E+00	0.00E+00	0.00E+00	3.33E-05	0.00E+00	0.00E+00	0.00E+00
496	380705.78	3736654.3	4.07E-04	0.00E+00	0.00E+00	0.00E+00	6.27E-05	0.00E+00	0.00E+00	0.00E+00	4.17E-05	0.00E+00	0.00E+00	0.00E+00
497	380735.78	3736654.3	5.07E-04	0.00E+00	0.00E+00	0.00E+00	7.82E-05	0.00E+00	0.00E+00	0.00E+00	5.19E-05	0.00E+00	0.00E+00	0.00E+00
498	380765.78	3736654.3	6.21E-04	0.00E+00	0.00E+00	0.00E+00	9.56E-05	0.00E+00	0.00E+00	0.00E+00	6.36E-05	0.00E+00	0.00E+00	0.00E+00
499	380795.78	3736654.3	7.70E-04	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	7.89E-05	0.00E+00	0.00E+00	0.00E+00
500	380825.78	3736654.3	9.79E-04	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00
501	380855.78	3736654.3	1.20E-03	0.00E+00	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00
502	380885.78	3736654.3	1.45E-03	0.00E+00	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00
503	380915.78	3736654.3	1.71E-03	0.00E+00	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	0.00E+00
504	380945.78	3736654.3	2.01E-03	0.00E+00	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	0.00E+00
505	380975.78	3736654.3	2.31E-03	0.00E+00	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	0.00E+00
506	381005.78	3736654.3	2.68E-03	0.00E+00	0.00E+00	0.00E+00	4.13E-04	0.00E+00	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	0.00E+00
507	380645.78	3736684.3	2.38E-04	0.00E+00	0.00E+00	0.00E+00	3.67E-05	0.00E+00	0.00E+00	0.00E+00	2.44E-05	0.00E+00	0.00E+00	0.00E+00
508	380675.78	3736684.3	2.95E-04	0.00E+00	0.00E+00	0.00E+00	4.54E-05	0.00E+00	0.00E+00	0.00E+00	3.02E-05	0.00E+00	0.00E+00	0.00E+00
509	380705.78	3736684.3	3.71E-04	0.00E+00	0.00E+00	0.00E+00	5.72E-05	0.00E+00	0.00E+00	0.00E+00	3.80E-05	0.00E+00	0.00E+00	0.00E+00
510	380735.78	3736684.3	4.62E-04	0.00E+00	0.00E+00	0.00E+00	7.11E-05	0.00E+00	0.00E+00	0.00E+00	4.73E-05	0.00E+00	0.00E+00	0.00E+00
511	380765.78	3736684.3	5.56E-04	0.00E+00	0.00E+00	0.00E+00	8.57E-05	0.00E+00	0.00E+00	0.00E+00	5.69E-05	0.00E+00	0.00E+00	0.00E+00
512	380795.78	3736684.3	6.62E-04	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	6.78E-05	0.00E+00	0.00E+00	0.00E+00
513	380825.78	3736684.3	8.24E-04	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	8.44E-05	0.00E+00	0.00E+00	0.00E+00
514	380855.78	3736684.3	1.04E-03	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00
515	380885.78	3736684.3	1.24E-03	0.00E+00	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00
516	380915.78	3736684.3	1.47E-03	0.00E+00	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00
517	380945.78	3736684.3	1.72E-03	0.00E+00	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	0.00E+00
518	380975.78	3736684.3	1.95E-03	0.00E+00	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	0.00E+00
519	381005.78	3736684.3	2.19E-03	0.00E+00	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	0.00E+00
520	381035.78	3736684.3	2.62E-03	0.00E+00	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00	0.00E+00
521	380645.78	3736714.3	2.17E-04	0.00E+00	0.00E+00	0.00E+00	3.35E-05	0.00E+00	0.00E+00	0.00E+00	2.23E-05	0.00E+00	0.00E+00	0.00E+00
522	380675.78	3736714.3	2.68E-04	0.00E+00	0.00E+00	0.00E+00	4.13E-05	0.00E+00	0.00E+00	0.00E+00	2.75E-05	0.00E+00	0.00E+00	0.00E+00
523	380705.78	3736714.3	3.37E-04	0.00E+00	0.00E+00	0.00E+00	5.20E-05	0.00E+00	0.00E+00	0.00E+00	3.45E-05	0.00E+00	0.00E+00	0.00E+00
524	380735.78	3736714.3	4.21E-04	0.00E+00	0.00E+00	0.00E+00	6.49E-05	0.00E+00	0.00E+00	0.00E+00	4.32E-05	0.00E+00	0.00E+00	0.00E+00
525	380765.78	3736714.3	5.07E-04	0.00E+00	0.00E+00	0.00E+00	7.82E-05	0.00E+00	0.00E+00	0.00E+00	5.20E-05	0.00E+00	0.00E+00	0.00E+00
526	380795.78	3736714.3	6.00E-04	0.00E+00	0.00E+00	0.00E+00	9.24E-05	0.00E+00	0.00E+00	0.00E+00	6.14E-05	0.00E+00	0.00E+00	0.00E+00
527	380825.78	3736714.3	7.36E-04	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	7.54E-05	0.00E+00	0.00E+00	0.00E+00
528	380855.78	3736714.3	9.22E-04	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	9.44E-05	0.00E+00	0.00E+00	0.00E+00
529	380885.78	3736714.3	1.10E-03	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00
530	380915.78	3736714.3	1.35E-03	0.00E+00	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00
531	380945.78	3736714.3	1.62E-03	0.00E+00	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00
532	380975.78	3736714.3	1.84E-03	0.00E+00	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	0.00E+00
533	381005.78	3736714.3	1.99E-03	0.00E+00	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	0.00E+00
534	381035.78	3736714.3	2.24E-03	0.00E+00	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	0.00E+00
535	380675.78	3736744.3	2.45E-04	0.00E+00	0.00E+00	0.00E+00	3.78E-05	0.00E+00	0.00E+00	0.00E+00	2.51E-05	0.00E+00	0.00E+00	0.00E+00
536	380705.78	3736744.3	3.05E-04	0.00E+00	0.00E+00	0.00E+00	4.70E-05	0.00E+00	0.00E+00	0.00E+00	3.12E-05	0.00E+00	0.00E+00	0.00E+00

537	380735.78	3736744.3	3.78E-04	0.00E+00	0.00E+00	0.00E+00	5.82E-05	0.00E+00	0.00E+00	0.00E+00	3.87E-05	0.00E+00	0.00E+00	0.00E+00
538	380765.78	3736744.3	4.56E-04	0.00E+00	0.00E+00	0.00E+00	7.03E-05	0.00E+00	0.00E+00	0.00E+00	4.67E-05	0.00E+00	0.00E+00	0.00E+00
539	380795.78	3736744.3	5.48E-04	0.00E+00	0.00E+00	0.00E+00	8.45E-05	0.00E+00	0.00E+00	0.00E+00	5.61E-05	0.00E+00	0.00E+00	0.00E+00
540	380825.78	3736744.3	6.72E-04	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	6.89E-05	0.00E+00	0.00E+00	0.00E+00
541	380855.78	3736744.3	8.20E-04	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	8.40E-05	0.00E+00	0.00E+00	0.00E+00
542	380885.78	3736744.3	9.59E-04	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	9.82E-05	0.00E+00	0.00E+00	0.00E+00
543	380915.78	3736744.3	1.26E-03	0.00E+00	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00
544	380945.78	3736744.3	1.54E-03	0.00E+00	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00
545	380975.78	3736744.3	1.73E-03	0.00E+00	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	0.00E+00
546	381005.78	3736744.3	1.80E-03	0.00E+00	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	0.00E+00
547	381035.78	3736744.3	1.97E-03	0.00E+00	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	0.00E+00
548	381065.78	3736744.3	2.41E-03	0.00E+00	0.00E+00	0.00E+00	3.72E-04	0.00E+00	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	0.00E+00
549	380675.78	3736774.3	2.27E-04	0.00E+00	0.00E+00	0.00E+00	3.49E-05	0.00E+00	0.00E+00	0.00E+00	2.32E-05	0.00E+00	0.00E+00	0.00E+00
550	380705.78	3736774.3	2.79E-04	0.00E+00	0.00E+00	0.00E+00	4.30E-05	0.00E+00	0.00E+00	0.00E+00	2.86E-05	0.00E+00	0.00E+00	0.00E+00
551	380735.78	3736774.3	3.42E-04	0.00E+00	0.00E+00	0.00E+00	5.27E-05	0.00E+00	0.00E+00	0.00E+00	3.50E-05	0.00E+00	0.00E+00	0.00E+00
552	380765.78	3736774.3	4.09E-04	0.00E+00	0.00E+00	0.00E+00	6.31E-05	0.00E+00	0.00E+00	0.00E+00	4.19E-05	0.00E+00	0.00E+00	0.00E+00
553	380795.78	3736774.3	4.94E-04	0.00E+00	0.00E+00	0.00E+00	7.61E-05	0.00E+00	0.00E+00	0.00E+00	5.06E-05	0.00E+00	0.00E+00	0.00E+00
554	380825.78	3736774.3	6.11E-04	0.00E+00	0.00E+00	0.00E+00	9.42E-05	0.00E+00	0.00E+00	0.00E+00	6.26E-05	0.00E+00	0.00E+00	0.00E+00
555	380855.78	3736774.3	7.44E-04	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	7.62E-05	0.00E+00	0.00E+00	0.00E+00
556	380885.78	3736774.3	8.91E-04	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	9.12E-05	0.00E+00	0.00E+00	0.00E+00
557	380915.78	3736774.3	1.11E-03	0.00E+00	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00
558	380945.78	3736774.3	1.36E-03	0.00E+00	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00
559	380975.78	3736774.3	1.51E-03	0.00E+00	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	0.00E+00
560	381005.78	3736774.3	1.60E-03	0.00E+00	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	0.00E+00
561	381035.78	3736774.3	1.76E-03	0.00E+00	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	0.00E+00
562	381065.78	3736774.3	2.17E-03	0.00E+00	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	0.00E+00
563	380675.78	3736804.3	2.10E-04	0.00E+00	0.00E+00	0.00E+00	3.23E-05	0.00E+00	0.00E+00	0.00E+00	2.15E-05	0.00E+00	0.00E+00	0.00E+00
564	380705.78	3736804.3	2.54E-04	0.00E+00	0.00E+00	0.00E+00	3.92E-05	0.00E+00	0.00E+00	0.00E+00	2.61E-05	0.00E+00	0.00E+00	0.00E+00
565	380735.78	3736804.3	3.07E-04	0.00E+00	0.00E+00	0.00E+00	4.73E-05	0.00E+00	0.00E+00	0.00E+00	3.14E-05	0.00E+00	0.00E+00	0.00E+00
566	380765.78	3736804.3	3.59E-04	0.00E+00	0.00E+00	0.00E+00	5.53E-05	0.00E+00	0.00E+00	0.00E+00	3.68E-05	0.00E+00	0.00E+00	0.00E+00
567	380795.78	3736804.3	4.20E-04	0.00E+00	0.00E+00	0.00E+00	6.47E-05	0.00E+00	0.00E+00	0.00E+00	4.30E-05	0.00E+00	0.00E+00	0.00E+00
568	380825.78	3736804.3	5.15E-04	0.00E+00	0.00E+00	0.00E+00	7.94E-05	0.00E+00	0.00E+00	0.00E+00	5.27E-05	0.00E+00	0.00E+00	0.00E+00
569	380855.78	3736804.3	6.77E-04	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	6.94E-05	0.00E+00	0.00E+00	0.00E+00
570	380885.78	3736804.3	8.95E-04	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	9.17E-05	0.00E+00	0.00E+00	0.00E+00
571	380915.78	3736804.3	1.01E-03	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00
572	380945.78	3736804.3	1.13E-03	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00
573	380975.78	3736804.3	1.26E-03	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00
574	381005.78	3736804.3	1.41E-03	0.00E+00	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00
575	381035.78	3736804.3	1.62E-03	0.00E+00	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00
576	381065.78	3736804.3	1.96E-03	0.00E+00	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	0.00E+00
577	380705.78	3736834.3	2.35E-04	0.00E+00	0.00E+00	0.00E+00	3.62E-05	0.00E+00	0.00E+00	0.00E+00	2.41E-05	0.00E+00	0.00E+00	0.00E+00
578	380735.78	3736834.3	2.82E-04	0.00E+00	0.00E+00	0.00E+00	4.35E-05	0.00E+00	0.00E+00	0.00E+00	2.89E-05	0.00E+00	0.00E+00	0.00E+00
579	380765.78	3736834.3	3.33E-04	0.00E+00	0.00E+00	0.00E+00	5.13E-05	0.00E+00	0.00E+00	0.00E+00	3.41E-05	0.00E+00	0.00E+00	0.00E+00
580	380795.78	3736834.3	3.88E-04	0.00E+00	0.00E+00	0.00E+00	5.98E-05	0.00E+00	0.00E+00	0.00E+00	3.97E-05	0.00E+00	0.00E+00	0.00E+00
581	380825.78	3736834.3	4.57E-04	0.00E+00	0.00E+00	0.00E+00	7.04E-05	0.00E+00	0.00E+00	0.00E+00	4.68E-05	0.00E+00	0.00E+00	0.00E+00
582	380855.78	3736834.3	5.56E-04	0.00E+00	0.00E+00	0.00E+00	8.58E-05	0.00E+00	0.00E+00	0.00E+00	5.70E-05	0.00E+00	0.00E+00	0.00E+00
583	380885.78	3736834.3	6.87E-04	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	7.03E-05	0.00E+00	0.00E+00	0.00E+00
584	380915.78	3736834.3	8.15E-04	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	8.35E-05	0.00E+00	0.00E+00	0.00E+00
585	380945.78	3736834.3	9.34E-04	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	9.56E-05	0.00E+00	0.00E+00	0.00E+00
586	380975.78	3736834.3	1.07E-03	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00
587	381005.78	3736834.3	1.21E-03	0.00E+00	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00
588	381035.78	3736834.3	1.40E-03	0.00E+00	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00
589	381065.78	3736834.3	1.65E-03	0.00E+00	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00
590	380705.78	3736864.3	2.19E-04	0.00E+00	0.00E+00	0.00E+00	3.38E-05	0.00E+00	0.00E+00	0.00E+00	2.25E-05	0.00E+00	0.00E+00	0.00E+00
591	380735.78	3736864.3	2.62E-04	0.00E+00	0.00E+00	0.00E+00	4.04E-05	0.00E+00	0.00E+00	0.00E+00	2.69E-05	0.00E+00	0.00E+00	0.00E+00
592	380765.78	3736864.3	3.13E-04	0.00E+00	0.00E+00	0.00E+00	4.82E-05	0.00E+00	0.00E+00	0.00E+00	3.20E-05	0.00E+00	0.00E+00	0.00E+00
593	380795.78	3736864.3	3.67E-04	0.00E+00	0.00E+00	0.00E+00	5.66E-05	0.00E+00	0.00E+00	0.00E+00	3.76E-05	0.00E+00	0.00E+00	0.00E+00
594	380825.78	3736864.3	4.22E-04	0.00E+00	0.00E+00	0.00E+00	6.51E-05	0.00E+00	0.00E+00	0.00E+00	4.33E-05	0.00E+00	0.00E+00	0.00E+00
595	380855.78	3736864.3	4.91E-04	0.00E+00	0.00E+00	0.00E+00	7.57E-05	0.00E+00	0.00E+00	0.00E+00	5.03E-05	0.00E+00	0.00E+00	0.00E+00
596	380885.78	3736864.3	5.71E-04	0.00E+00	0.00E+00	0.00E+00	8.80E-05	0.00E+00	0.00E+00	0.00E+00	5.85E-05	0.00E+00	0.00E+00	0.00E+00
597	380915.78	3736864.3	6.78E-04	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	6.94E-05	0.00E+00	0.00E+00	0.00E+00
598	380945.78	3736864.3	7.95E-04	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	8.14E-05	0.00E+00	0.00E+00	0.00E+00
599	380975.78	3736864.3	9.16E-04	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	9.38E-05	0.00E+00	0.00E+00	0.00E+00
600	381005.78	3736864.3	1.05E-03	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00
601	381035.78	3736864.3	1.20E-03	0.00E+00	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00
602	381065.78	3736864.3	1.39E-03	0.00E+00	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00
603	381095.78	3736864.3	1.62E-03	0.00E+00	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00
604	380735.78	3736894.3	2.44E-04	0.00E+00	0.00E+00	0.00E+00	3.77E-05	0.00E+00	0.00E+00	0.00E+00	2.50E-05	0.00E+00	0.00E+00	0.00E+00
605	380765.78	3736894.3	2.91E-04	0.00E+00	0.00E+00	0.00E+00	4.48E-05	0.00E+00	0.00E+00	0.00E+00	2.98E-05	0.00E+00	0.00E+00	0.00E+00
606	380795.78	3736894.3	3.42E-04	0.00E+00	0.00E+00	0.00E+00	5.27E-05	0.00E+00	0.00E+00	0.00E+00	3.50E-05	0.00E+00	0.00E+00	0.00E+00
607	380825.78	3736894.3	3.92E-04	0.00E+00	0.00E+00	0.00E+00	6.05E-05	0.00E+00	0.00E+00	0.00E+00	4.02E-05	0.00E+00	0.00E+00	0.00E+00
608	380855.78	3736894.3	4.49E-04	0.00E+00	0.00E+00	0.00E+00	6.91E-05	0.00E+00	0.00E+00	0.00E+00	4.59E-05	0.00E+00	0.00E+00	0.00E+00
609	380885.78	3736894.3	5.14E-04	0.00E+00	0.00E+00	0.00E+00	7.92E-05	0.00E+00	0.00E+00	0.00E+00	5.26E-05	0.00E+00	0.00E+00	0.00E+00
610	380915.78	3736894.3	5.91E-04	0.00E+00	0.00E+00	0.00E+00	9.10E-05	0.00E+00	0.00E+00	0.00E+00	6.05E-05	0.00E+00	0.00E+00	0.00E+00
611	380945.78	3736894.3	6.80E-04	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	6.96E-05	0.00E+00	0.00E+00	0.00E+00
612	380975.78	3736894.3	7.83E-04	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	8.02E-05	0.00E+00	0.00E+00	0.00E+00
613	381005.78	3736894.3	9.10E-04	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	9.32E-05	0.00E+00	0.00E+00	0.00E+00
614	381035.78	3736894.3	1.06E-03	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00
615	381065.78	3736894.3	1.22E-03	0.00E+00	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00
616	381095.78	3736894.3	1.36E-03	0.00E+00	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00
617	381125.78	3736894.3	1.65E-03	0.00E+00	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00
618	380735.78	3736924.3	2.30E-04	0.00E+00	0.00E+00	0.00E+00	3.54E-05	0.00E+00	0.00E+00	0.00E+00	2.35E-05	0.00E+00	0.00E+00	0.00E+00
619	380765.78	3736924.3	2.69E-04	0.00E+00	0.00E+00	0.00E+00	4.15E-05	0.00E+00	0.00E+00	0.00E+00	2.76E-05	0.00E+00	0.00E+00	0.00E+00
620	380795.78	3736924.3	3.14E-04	0.00E+00	0.00E+00	0.00E+00	4.85E-05	0.00E+00	0.00E+00	0.00E+00	3.22E-05	0.00E+00	0.00E+00	0.00E+00
621	380825.78	3736924.3	3.59E-04	0.00E+00	0.00E+00	0.00E+00	5.54E-05	0.00E+00	0.00E+00	0.00E+00	3.68E-05	0.00E+00	0.00E+00	0.00E+00
622	380855.78	3736924.3	4.10E-04	0.00E+00	0.00E+00	0.00E+00	6.31E-05	0.00E+00	0.00E+00	0.00E+00	4.20E-05	0.00E+00	0.00E+00	0.00E+00
623	380885.78	3736924.3	4.68E-04	0.00E+00	0.00E+00	0.00E+00	7.21E-05	0.00E+00	0.00E+00	0.00E+00	4.79E-05	0.00E+00	0.00E+00	0.00E+00
624	380915.78	3736924.3	5.26E-04	0.00E+00	0.00E+00	0.00E+00	8.11E-05	0.00E+00	0.00E+00	0.00E+00	5.39E-05	0.00E+00	0.00E+00	0.00E+00
625	380945.78	3736924.3	5.98E-04	0.00E+00	0.00E+00	0.00E+00	9.22E-05	0.00E+00	0.00E+00	0.00E+00	6.13E-05	0.00E+00	0.00E+00	0.00E+00
626	380975.78	3736924.3	6.91E-04	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	7.08E-05	0.00E+00	0.00E+00	0.00E+00

627	381005.78	3736924.3	7.96E-04	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	8.15E-05	0.00E+00	0.00E+00	0.00E+00
628	381035.78	3736924.3	9.19E-04	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	9.41E-05	0.00E+00	0.00E+00	0.00E+00
629	381065.78	3736924.3	1.04E-03	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00
630	381095.78	3736924.3	1.16E-03	0.00E+00	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00
631	381125.78	3736924.3	1.35E-03	0.00E+00	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00
632	381155.78	3736924.3	1.79E-03	0.00E+00	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	0.00E+00
633	380735.78	3736954.3	2.13E-04	0.00E+00	0.00E+00	0.00E+00	3.29E-05	0.00E+00	0.00E+00	0.00E+00	2.18E-05	0.00E+00	0.00E+00	0.00E+00
634	380765.78	3736954.3	2.49E-04	0.00E+00	0.00E+00	0.00E+00	3.85E-05	0.00E+00	0.00E+00	0.00E+00	2.56E-05	0.00E+00	0.00E+00	0.00E+00
635	380795.78	3736954.3	2.89E-04	0.00E+00	0.00E+00	0.00E+00	4.45E-05	0.00E+00	0.00E+00	0.00E+00	2.96E-05	0.00E+00	0.00E+00	0.00E+00
636	380825.78	3736954.3	3.31E-04	0.00E+00	0.00E+00	0.00E+00	5.10E-05	0.00E+00	0.00E+00	0.00E+00	3.39E-05	0.00E+00	0.00E+00	0.00E+00
637	380855.78	3736954.3	3.75E-04	0.00E+00	0.00E+00	0.00E+00	5.77E-05	0.00E+00	0.00E+00	0.00E+00	3.84E-05	0.00E+00	0.00E+00	0.00E+00
638	380885.78	3736954.3	4.23E-04	0.00E+00	0.00E+00	0.00E+00	6.53E-05	0.00E+00	0.00E+00	0.00E+00	4.34E-05	0.00E+00	0.00E+00	0.00E+00
639	380915.78	3736954.3	4.75E-04	0.00E+00	0.00E+00	0.00E+00	7.32E-05	0.00E+00	0.00E+00	0.00E+00	4.86E-05	0.00E+00	0.00E+00	0.00E+00
640	380945.78	3736954.3	5.42E-04	0.00E+00	0.00E+00	0.00E+00	8.35E-05	0.00E+00	0.00E+00	0.00E+00	5.55E-05	0.00E+00	0.00E+00	0.00E+00
641	380975.78	3736954.3	6.22E-04	0.00E+00	0.00E+00	0.00E+00	9.58E-05	0.00E+00	0.00E+00	0.00E+00	6.37E-05	0.00E+00	0.00E+00	0.00E+00
642	381005.78	3736954.3	7.17E-04	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	7.34E-05	0.00E+00	0.00E+00	0.00E+00
643	381035.78	3736954.3	8.18E-04	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	8.38E-05	0.00E+00	0.00E+00	0.00E+00
644	381065.78	3736954.3	9.16E-04	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	9.38E-05	0.00E+00	0.00E+00	0.00E+00
645	381095.78	3736954.3	1.01E-03	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00
646	381125.78	3736954.3	1.17E-03	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00
647	381155.78	3736954.3	1.50E-03	0.00E+00	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	0.00E+00
648	380765.78	3736984.3	2.31E-04	0.00E+00	0.00E+00	0.00E+00	3.57E-05	0.00E+00	0.00E+00	0.00E+00	2.37E-05	0.00E+00	0.00E+00	0.00E+00
649	380795.78	3736984.3	2.69E-04	0.00E+00	0.00E+00	0.00E+00	4.14E-05	0.00E+00	0.00E+00	0.00E+00	2.75E-05	0.00E+00	0.00E+00	0.00E+00
650	380825.78	3736984.3	3.07E-04	0.00E+00	0.00E+00	0.00E+00	4.73E-05	0.00E+00	0.00E+00	0.00E+00	3.14E-05	0.00E+00	0.00E+00	0.00E+00
651	380855.78	3736984.3	3.44E-04	0.00E+00	0.00E+00	0.00E+00	5.31E-05	0.00E+00	0.00E+00	0.00E+00	3.53E-05	0.00E+00	0.00E+00	0.00E+00
652	380885.78	3736984.3	3.89E-04	0.00E+00	0.00E+00	0.00E+00	5.99E-05	0.00E+00	0.00E+00	0.00E+00	3.98E-05	0.00E+00	0.00E+00	0.00E+00
653	380915.78	3736984.3	4.44E-04	0.00E+00	0.00E+00	0.00E+00	6.84E-05	0.00E+00	0.00E+00	0.00E+00	4.54E-05	0.00E+00	0.00E+00	0.00E+00
654	380945.78	3736984.3	5.12E-04	0.00E+00	0.00E+00	0.00E+00	7.88E-05	0.00E+00	0.00E+00	0.00E+00	5.24E-05	0.00E+00	0.00E+00	0.00E+00
655	380975.78	3736984.3	5.86E-04	0.00E+00	0.00E+00	0.00E+00	9.03E-05	0.00E+00	0.00E+00	0.00E+00	6.00E-05	0.00E+00	0.00E+00	0.00E+00
656	381005.78	3736984.3	6.56E-04	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	6.72E-05	0.00E+00	0.00E+00	0.00E+00
657	381035.78	3736984.3	7.24E-04	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	7.41E-05	0.00E+00	0.00E+00	0.00E+00
658	381065.78	3736984.3	8.01E-04	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	8.20E-05	0.00E+00	0.00E+00	0.00E+00
659	381095.78	3736984.3	9.02E-04	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	9.24E-05	0.00E+00	0.00E+00	0.00E+00
660	381125.78	3736984.3	1.08E-03	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00
661	381155.78	3736984.3	1.41E-03	0.00E+00	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00
662	380765.78	3737014.3	2.18E-04	0.00E+00	0.00E+00	0.00E+00	3.36E-05	0.00E+00	0.00E+00	0.00E+00	2.23E-05	0.00E+00	0.00E+00	0.00E+00
663	380795.78	3737014.3	2.53E-04	0.00E+00	0.00E+00	0.00E+00	3.89E-05	0.00E+00	0.00E+00	0.00E+00	2.59E-05	0.00E+00	0.00E+00	0.00E+00
664	380825.78	3737014.3	2.86E-04	0.00E+00	0.00E+00	0.00E+00	4.41E-05	0.00E+00	0.00E+00	0.00E+00	2.93E-05	0.00E+00	0.00E+00	0.00E+00
665	380855.78	3737014.3	3.21E-04	0.00E+00	0.00E+00	0.00E+00	4.94E-05	0.00E+00	0.00E+00	0.00E+00	3.29E-05	0.00E+00	0.00E+00	0.00E+00
666	380885.78	3737014.3	3.66E-04	0.00E+00	0.00E+00	0.00E+00	5.64E-05	0.00E+00	0.00E+00	0.00E+00	3.75E-05	0.00E+00	0.00E+00	0.00E+00
667	380915.78	3737014.3	4.16E-04	0.00E+00	0.00E+00	0.00E+00	6.41E-05	0.00E+00	0.00E+00	0.00E+00	4.26E-05	0.00E+00	0.00E+00	0.00E+00
668	380945.78	3737014.3	4.72E-04	0.00E+00	0.00E+00	0.00E+00	7.27E-05	0.00E+00	0.00E+00	0.00E+00	4.83E-05	0.00E+00	0.00E+00	0.00E+00
669	380975.78	3737014.3	5.31E-04	0.00E+00	0.00E+00	0.00E+00	8.18E-05	0.00E+00	0.00E+00	0.00E+00	5.44E-05	0.00E+00	0.00E+00	0.00E+00
670	381005.78	3737014.3	5.93E-04	0.00E+00	0.00E+00	0.00E+00	9.14E-05	0.00E+00	0.00E+00	0.00E+00	6.08E-05	0.00E+00	0.00E+00	0.00E+00
671	381035.78	3737014.3	6.55E-04	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	6.71E-05	0.00E+00	0.00E+00	0.00E+00
672	381065.78	3737014.3	7.23E-04	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	7.41E-05	0.00E+00	0.00E+00	0.00E+00
673	381095.78	3737014.3	8.16E-04	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	8.36E-05	0.00E+00	0.00E+00	0.00E+00
674	381125.78	3737014.3	9.91E-04	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00
675	381155.78	3737014.3	1.30E-03	0.00E+00	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00
676	380385.62	3735858.28	3.56E-05	0.00E+00	0.00E+00	0.00E+00	5.49E-06	0.00E+00	0.00E+00	0.00E+00	3.65E-06	0.00E+00	0.00E+00	0.00E+00
677	380385.62	3735888.28	3.82E-05	0.00E+00	0.00E+00	0.00E+00	5.89E-06	0.00E+00	0.00E+00	0.00E+00	3.92E-06	0.00E+00	0.00E+00	0.00E+00
678	380385.62	3735918.28	4.11E-05	0.00E+00	0.00E+00	0.00E+00	6.34E-06	0.00E+00	0.00E+00	0.00E+00	4.21E-06	0.00E+00	0.00E+00	0.00E+00
679	380415.62	3735918.28	4.35E-05	0.00E+00	0.00E+00	0.00E+00	6.70E-06	0.00E+00	0.00E+00	0.00E+00	4.46E-06	0.00E+00	0.00E+00	0.00E+00
680	380385.62	3735948.28	4.44E-05	0.00E+00	0.00E+00	0.00E+00	6.84E-06	0.00E+00	0.00E+00	0.00E+00	4.55E-06	0.00E+00	0.00E+00	0.00E+00
681	380415.62	3735948.28	4.72E-05	0.00E+00	0.00E+00	0.00E+00	7.27E-06	0.00E+00	0.00E+00	0.00E+00	4.83E-06	0.00E+00	0.00E+00	0.00E+00
682	380385.62	3735978.28	4.80E-05	0.00E+00	0.00E+00	0.00E+00	7.40E-06	0.00E+00	0.00E+00	0.00E+00	4.92E-06	0.00E+00	0.00E+00	0.00E+00
683	380415.62	3735978.28	5.13E-05	0.00E+00	0.00E+00	0.00E+00	7.91E-06	0.00E+00	0.00E+00	0.00E+00	5.25E-06	0.00E+00	0.00E+00	0.00E+00
684	380385.62	3736008.28	5.19E-05	0.00E+00	0.00E+00	0.00E+00	8.00E-06	0.00E+00	0.00E+00	0.00E+00	5.32E-06	0.00E+00	0.00E+00	0.00E+00
685	380415.62	3736008.28	5.59E-05	0.00E+00	0.00E+00	0.00E+00	8.61E-06	0.00E+00	0.00E+00	0.00E+00	5.72E-06	0.00E+00	0.00E+00	0.00E+00
686	380445.62	3736008.28	5.95E-05	0.00E+00	0.00E+00	0.00E+00	9.17E-06	0.00E+00	0.00E+00	0.00E+00	6.09E-06	0.00E+00	0.00E+00	0.00E+00
687	380355.62	3736038.28	5.20E-05	0.00E+00	0.00E+00	0.00E+00	8.01E-06	0.00E+00	0.00E+00	0.00E+00	5.32E-06	0.00E+00	0.00E+00	0.00E+00
688	380385.62	3736038.28	5.62E-05	0.00E+00	0.00E+00	0.00E+00	8.66E-06	0.00E+00	0.00E+00	0.00E+00	5.76E-06	0.00E+00	0.00E+00	0.00E+00
689	380415.62	3736038.28	6.09E-05	0.00E+00	0.00E+00	0.00E+00	9.39E-06	0.00E+00	0.00E+00	0.00E+00	6.24E-06	0.00E+00	0.00E+00	0.00E+00
690	380445.62	3736038.28	6.48E-05	0.00E+00	0.00E+00	0.00E+00	9.99E-06	0.00E+00	0.00E+00	0.00E+00	6.64E-06	0.00E+00	0.00E+00	0.00E+00
691	380355.62	3736068.28	5.58E-05	0.00E+00	0.00E+00	0.00E+00	8.60E-06	0.00E+00	0.00E+00	0.00E+00	5.72E-06	0.00E+00	0.00E+00	0.00E+00
692	380385.62	3736068.28	6.08E-05	0.00E+00	0.00E+00	0.00E+00	9.37E-06	0.00E+00	0.00E+00	0.00E+00	6.23E-06	0.00E+00	0.00E+00	0.00E+00
693	380415.62	3736068.28	6.57E-05	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	6.73E-06	0.00E+00	0.00E+00	0.00E+00
694	380445.62	3736068.28	7.04E-05	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	7.21E-06	0.00E+00	0.00E+00	0.00E+00
695	380475.62	3736068.28	7.56E-05	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	7.74E-06	0.00E+00	0.00E+00	0.00E+00
696	380355.62	3736098.28	5.99E-05	0.00E+00	0.00E+00	0.00E+00	9.22E-06	0.00E+00	0.00E+00	0.00E+00	6.13E-06	0.00E+00	0.00E+00	0.00E+00
697	380385.62	3736098.28	6.56E-05	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	6.72E-06	0.00E+00	0.00E+00	0.00E+00
698	380415.62	3736098.28	7.03E-05	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	7.20E-06	0.00E+00	0.00E+00	0.00E+00
699	380445.62	3736098.28	7.57E-05	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	7.75E-06	0.00E+00	0.00E+00	0.00E+00
700	380475.62	3736098.28	8.23E-05	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	8.43E-06	0.00E+00	0.00E+00	0.00E+00
701	380355.62	3736128.28	6.40E-05	0.00E+00	0.00E+00	0.00E+00	9.86E-06	0.00E+00	0.00E+00	0.00E+00	6.56E-06	0.00E+00	0.00E+00	0.00E+00
702	380385.62	3736128.28	7.03E-05	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	7.21E-06	0.00E+00	0.00E+00	0.00E+00
703	380415.62	3736128.28	7.52E-05	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	7.70E-06	0.00E+00	0.00E+00	0.00E+00
704	380445.62	3736128.28	8.15E-05	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	8.35E-06	0.00E+00	0.00E+00	0.00E+00
705	380475.62	3736128.28	9.03E-05	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	9.25E-06	0.00E+00	0.00E+00	0.00E+00
706	380505.62	3736128.28	1.03E-04	0.00E+00	0.00E+00	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00
707	380355.62	3736158.28	6.81E-05	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	6.98E-06	0.00E+00	0.00E+00	0.00E+00
708	380385.62	3736158.28	7.51E-05	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	7.69E-06	0.00E+00	0.00E+00	0.00E+00
709	380415.62	3736158.28	8.06E-05	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	8.26E-06	0.00E+00	0.00E+00	0.00E+00
710	380445.62	3736158.28	8.83E-05	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	9.04E-06	0.00E+00	0.00E+00	0.00E+00
711	380475.62	3736158.28	9.95E-05	0.00E+00	0.00E+00	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00
712	380505.62	3736158.28	1.16E-04	0.00E+00	0.00E+00	0.00E+00	1.78E-05	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00
713	380535.62	3736158.28	1.37E-04	0.00E+00	0.00E+00	0.00E+00	2.11E-05	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00
714	380325.62	3736188.28	6.49E-05	0.00E+00	0.00E+00	0.00E+00	1.00E-05	0.00E+00	0.00E+00	0.00E+00	6.64E-06	0.00E+00	0.00E+00	0.00E+00
715	380355.62	3736188.28	7.20E-05	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	7.37E-06	0.00E+00	0.00E+00	0.00E+00
716	380385.62	3736188.28	8.01E-05	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	8.20E-06	0.00E+00	0.00E+00	0.00E+00

717	380415.62	3736188.28	8.65E-05	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00	8.86E-06	0.00E+00	0.00E+00	0.00E+00
718	380445.62	3736188.28	9.55E-05	0.00E+00	0.00E+00	0.00E+00	1.47E-05	0.00E+00	0.00E+00	0.00E+00	9.78E-06	0.00E+00	0.00E+00	0.00E+00
719	380475.62	3736188.28	1.09E-04	0.00E+00	0.00E+00	0.00E+00	1.68E-05	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00
720	380505.62	3736188.28	1.28E-04	0.00E+00	0.00E+00	0.00E+00	1.97E-05	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00
721	380535.62	3736188.28	1.51E-04	0.00E+00	0.00E+00	0.00E+00	2.33E-05	0.00E+00	0.00E+00	0.00E+00	1.55E-05	0.00E+00	0.00E+00	0.00E+00
722	380355.62	3736218.28	7.54E-05	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	7.72E-06	0.00E+00	0.00E+00	0.00E+00
723	380385.62	3736218.28	8.47E-05	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	8.68E-06	0.00E+00	0.00E+00	0.00E+00
724	380415.62	3736218.28	9.34E-05	0.00E+00	0.00E+00	0.00E+00	1.44E-05	0.00E+00	0.00E+00	0.00E+00	9.57E-06	0.00E+00	0.00E+00	0.00E+00
725	380445.62	3736218.28	1.03E-04	0.00E+00	0.00E+00	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00
726	380475.62	3736218.28	1.18E-04	0.00E+00	0.00E+00	0.00E+00	1.82E-05	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00
727	380505.62	3736218.28	1.38E-04	0.00E+00	0.00E+00	0.00E+00	2.12E-05	0.00E+00	0.00E+00	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00
728	380535.62	3736218.28	1.63E-04	0.00E+00	0.00E+00	0.00E+00	2.52E-05	0.00E+00	0.00E+00	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00
729	380565.62	3736218.28	2.06E-04	0.00E+00	0.00E+00	0.00E+00	3.18E-05	0.00E+00	0.00E+00	0.00E+00	2.11E-05	0.00E+00	0.00E+00	0.00E+00
730	380355.62	3736248.28	7.80E-05	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	7.99E-06	0.00E+00	0.00E+00	0.00E+00
731	380385.62	3736248.28	8.80E-05	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	9.02E-06	0.00E+00	0.00E+00	0.00E+00
732	380415.62	3736248.28	9.97E-05	0.00E+00	0.00E+00	0.00E+00	1.54E-05	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00
733	380445.62	3736248.28	1.10E-04	0.00E+00	0.00E+00	0.00E+00	1.70E-05	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00
734	380475.62	3736248.28	1.25E-04	0.00E+00	0.00E+00	0.00E+00	1.93E-05	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00
735	380505.62	3736248.28	1.46E-04	0.00E+00	0.00E+00	0.00E+00	2.25E-05	0.00E+00	0.00E+00	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00
736	380535.62	3736248.28	1.73E-04	0.00E+00	0.00E+00	0.00E+00	2.67E-05	0.00E+00	0.00E+00	0.00E+00	1.77E-05	0.00E+00	0.00E+00	0.00E+00
737	380565.62	3736248.28	2.20E-04	0.00E+00	0.00E+00	0.00E+00	3.39E-05	0.00E+00	0.00E+00	0.00E+00	2.25E-05	0.00E+00	0.00E+00	0.00E+00
738	380595.62	3736248.28	3.13E-04	0.00E+00	0.00E+00	0.00E+00	4.82E-05	0.00E+00	0.00E+00	0.00E+00	3.21E-05	0.00E+00	0.00E+00	0.00E+00
739	380385.62	3736278.28	9.01E-05	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	9.23E-06	0.00E+00	0.00E+00	0.00E+00
740	380415.62	3736278.28	1.03E-04	0.00E+00	0.00E+00	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00
741	380445.62	3736278.28	1.17E-04	0.00E+00	0.00E+00	0.00E+00	1.80E-05	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00
742	380475.62	3736278.28	1.33E-04	0.00E+00	0.00E+00	0.00E+00	2.04E-05	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00
743	380505.62	3736278.28	1.52E-04	0.00E+00	0.00E+00	0.00E+00	2.35E-05	0.00E+00	0.00E+00	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00
744	380535.62	3736278.28	1.80E-04	0.00E+00	0.00E+00	0.00E+00	2.77E-05	0.00E+00	0.00E+00	0.00E+00	1.84E-05	0.00E+00	0.00E+00	0.00E+00
745	380565.62	3736278.28	2.25E-04	0.00E+00	0.00E+00	0.00E+00	3.48E-05	0.00E+00	0.00E+00	0.00E+00	2.31E-05	0.00E+00	0.00E+00	0.00E+00
746	380595.62	3736278.28	3.12E-04	0.00E+00	0.00E+00	0.00E+00	4.80E-05	0.00E+00	0.00E+00	0.00E+00	3.19E-05	0.00E+00	0.00E+00	0.00E+00
747	380445.62	3736308.28	1.19E-04	0.00E+00	0.00E+00	0.00E+00	1.83E-05	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00
748	380475.62	3736308.28	1.35E-04	0.00E+00	0.00E+00	0.00E+00	2.09E-05	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00
749	380505.62	3736308.28	1.54E-04	0.00E+00	0.00E+00	0.00E+00	2.38E-05	0.00E+00	0.00E+00	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00
750	380535.62	3736308.28	1.80E-04	0.00E+00	0.00E+00	0.00E+00	2.78E-05	0.00E+00	0.00E+00	0.00E+00	1.85E-05	0.00E+00	0.00E+00	0.00E+00
751	380565.62	3736308.28	2.24E-04	0.00E+00	0.00E+00	0.00E+00	3.46E-05	0.00E+00	0.00E+00	0.00E+00	2.30E-05	0.00E+00	0.00E+00	0.00E+00
752	380595.62	3736308.28	3.04E-04	0.00E+00	0.00E+00	0.00E+00	4.69E-05	0.00E+00	0.00E+00	0.00E+00	3.12E-05	0.00E+00	0.00E+00	0.00E+00
753	380625.62	3736308.28	4.67E-04	0.00E+00	0.00E+00	0.00E+00	7.20E-05	0.00E+00	0.00E+00	0.00E+00	4.79E-05	0.00E+00	0.00E+00	0.00E+00
754	380535.62	3736338.28	1.76E-04	0.00E+00	0.00E+00	0.00E+00	2.71E-05	0.00E+00	0.00E+00	0.00E+00	1.80E-05	0.00E+00	0.00E+00	0.00E+00
755	380565.62	3736338.28	2.19E-04	0.00E+00	0.00E+00	0.00E+00	3.37E-05	0.00E+00	0.00E+00	0.00E+00	2.24E-05	0.00E+00	0.00E+00	0.00E+00
756	380595.62	3736338.28	2.97E-04	0.00E+00	0.00E+00	0.00E+00	4.57E-05	0.00E+00	0.00E+00	0.00E+00	3.04E-05	0.00E+00	0.00E+00	0.00E+00
757	380625.62	3736338.28	4.49E-04	0.00E+00	0.00E+00	0.00E+00	6.92E-05	0.00E+00	0.00E+00	0.00E+00	4.60E-05	0.00E+00	0.00E+00	0.00E+00
758	380655.62	3736338.28	7.64E-04	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	7.82E-05	0.00E+00	0.00E+00	0.00E+00
759	380535.62	3736368.28	1.69E-04	0.00E+00	0.00E+00	0.00E+00	2.61E-05	0.00E+00	0.00E+00	0.00E+00	1.73E-05	0.00E+00	0.00E+00	0.00E+00
760	380565.62	3736368.28	2.13E-04	0.00E+00	0.00E+00	0.00E+00	3.28E-05	0.00E+00	0.00E+00	0.00E+00	2.18E-05	0.00E+00	0.00E+00	0.00E+00
761	380595.62	3736368.28	2.94E-04	0.00E+00	0.00E+00	0.00E+00	4.53E-05	0.00E+00	0.00E+00	0.00E+00	3.01E-05	0.00E+00	0.00E+00	0.00E+00
762	380625.62	3736368.28	4.36E-04	0.00E+00	0.00E+00	0.00E+00	6.73E-05	0.00E+00	0.00E+00	0.00E+00	4.47E-05	0.00E+00	0.00E+00	0.00E+00
763	380655.62	3736368.28	6.77E-04	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	6.94E-05	0.00E+00	0.00E+00	0.00E+00
764	380685.62	3736368.28	1.09E-03	0.00E+00	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00
765	380535.62	3736398.28	1.65E-04	0.00E+00	0.00E+00	0.00E+00	2.54E-05	0.00E+00	0.00E+00	0.00E+00	1.69E-05	0.00E+00	0.00E+00	0.00E+00
766	380565.62	3736398.28	2.08E-04	0.00E+00	0.00E+00	0.00E+00	3.21E-05	0.00E+00	0.00E+00	0.00E+00	2.13E-05	0.00E+00	0.00E+00	0.00E+00
767	380595.62	3736398.28	2.90E-04	0.00E+00	0.00E+00	0.00E+00	4.47E-05	0.00E+00	0.00E+00	0.00E+00	2.97E-05	0.00E+00	0.00E+00	0.00E+00
768	380625.62	3736398.28	4.28E-04	0.00E+00	0.00E+00	0.00E+00	6.60E-05	0.00E+00	0.00E+00	0.00E+00	4.39E-05	0.00E+00	0.00E+00	0.00E+00
769	380655.62	3736398.28	6.28E-04	0.00E+00	0.00E+00	0.00E+00	9.67E-05	0.00E+00	0.00E+00	0.00E+00	6.43E-05	0.00E+00	0.00E+00	0.00E+00
770	380685.62	3736398.28	9.19E-04	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	9.41E-05	0.00E+00	0.00E+00	0.00E+00
771	381432.08	3737194.31	7.44E-04	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	7.62E-05	0.00E+00	0.00E+00	0.00E+00
772	381422.5	3737135.21	9.06E-04	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	9.28E-05	0.00E+00	0.00E+00	0.00E+00
773	381417.71	3737042.57	1.11E-03	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00
774	381400.14	3736975.49	1.56E-03	0.00E+00	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	0.00E+00
775	381473.61	3736975.49	6.74E-04	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	6.90E-05	0.00E+00	0.00E+00	0.00E+00
776	381459.23	3737069.73	6.59E-04	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	6.75E-05	0.00E+00	0.00E+00	0.00E+00
777	381468.82	3737138.4	5.74E-04	0.00E+00	0.00E+00	0.00E+00	8.85E-05	0.00E+00	0.00E+00	0.00E+00	5.88E-05	0.00E+00	0.00E+00	0.00E+00
778	381526.31	3737066.53	3.74E-04	0.00E+00	0.00E+00	0.00E+00	5.76E-05	0.00E+00	0.00E+00	0.00E+00	3.83E-05	0.00E+00	0.00E+00	0.00E+00
779	381555.06	3736980.28	3.54E-04	0.00E+00	0.00E+00	0.00E+00	5.46E-05	0.00E+00	0.00E+00	0.00E+00	3.63E-05	0.00E+00	0.00E+00	0.00E+00
780	381494.37	3737026.6	5.11E-04	0.00E+00	0.00E+00	0.00E+00	7.87E-05	0.00E+00	0.00E+00	0.00E+00	5.23E-05	0.00E+00	0.00E+00	0.00E+00
781	381262.35	3736355.69	1.09E-03	0.00E+00	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00
782	381292.35	3736355.69	9.65E-04	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	9.89E-05	0.00E+00	0.00E+00	0.00E+00
783	381262.35	3736385.69	1.18E-03	0.00E+00	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00
784	381292.35	3736385.69	1.04E-03	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00
785	381322.35	3736385.69	9.19E-04	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	9.41E-05	0.00E+00	0.00E+00	0.00E+00
786	381262.35	3736415.69	1.28E-03	0.00E+00	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00
787	381292.35	3736415.69	1.11E-03	0.00E+00	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00
788	381322.35	3736415.69	9.76E-04	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00
789	381352.35	3736415.69	8.62E-04	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	8.83E-05	0.00E+00	0.00E+00	0.00E+00
790	381262.35	3736445.69	1.39E-03	0.00E+00	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00
791	381292.35	3736445.69	1.19E-03	0.00E+00	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00
792	381322.35	3736445.69	1.03E-03	0.00E+00	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00
793	381352.35	3736445.69	9.06E-04	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	9.28E-05	0.00E+00	0.00E+00	0.00E+00
794	381262.35	3736475.69	1.52E-03	0.00E+00	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00
795	381292.35	3736475.69	1.28E-03	0.00E+00	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00
796	381322.35	3736475.69	1.10E-03	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00
797	381352.35	3736475.69	9.51E-04	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	9.74E-05	0.00E+00	0.00E+00	0.00E+00
798	381382.35	3736475.69	8.33E-04	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	8.53E-05	0.00E+00	0.00E+00	0.00E+00
799	381262.35	3736505.69	1.66E-03	0.00E+00	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00
800	381292.35	3736505.69	1.37E-03	0.00E+00	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00
801	381322.35	3736505.69	1.16E-03	0.00E+00	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00
802	381352.35	3736505.69	9.99E-04	0.00E+00	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00
803	381382.35	3736505.69	8.68E-04	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	8.89E-05	0.00E+00	0.00E+00	0.00E+00
804	381262.35	3736535.69	1.82E-03	0.00E+00	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	0.00E+00
805	381292.35	3736535.69	1.48E-03	0.00E+00	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00
806	381322.35	3736535.69	1.24E-03	0.00E+00	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00

807	381352.35	3736535.69	1.05E-03	0.00E+00	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00
808	381382.35	3736535.69	9.06E-04	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	9.28E-05	0.00E+00	0.00E+00	0.00E+00
809	381412.35	3736535.69	7.89E-04	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	8.08E-05	0.00E+00	0.00E+00	0.00E+00
810	381262.35	3736565.69	2.03E-03	0.00E+00	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	0.00E+00
811	381292.35	3736565.69	1.62E-03	0.00E+00	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00
812	381322.35	3736565.69	1.32E-03	0.00E+00	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00
813	381352.35	3736565.69	1.11E-03	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00
814	381382.35	3736565.69	9.48E-04	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	9.71E-05	0.00E+00	0.00E+00	0.00E+00
815	381412.35	3736565.69	8.18E-04	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	8.38E-05	0.00E+00	0.00E+00	0.00E+00
816	381262.35	3736595.69	2.30E-03	0.00E+00	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	0.00E+00
817	381292.35	3736595.69	1.78E-03	0.00E+00	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	0.00E+00
818	381322.35	3736595.69	1.43E-03	0.00E+00	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00
819	381352.35	3736595.69	1.18E-03	0.00E+00	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00
820	381382.35	3736595.69	9.94E-04	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00
821	381412.35	3736595.69	8.49E-04	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	8.70E-05	0.00E+00	0.00E+00	0.00E+00
822	381442.35	3736595.69	7.36E-04	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	7.54E-05	0.00E+00	0.00E+00	0.00E+00
823	381262.35	3736625.69	2.64E-03	0.00E+00	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	0.00E+00
824	381292.35	3736625.69	1.97E-03	0.00E+00	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	0.00E+00
825	381322.35	3736625.69	1.55E-03	0.00E+00	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00
826	381352.35	3736625.69	1.26E-03	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00
827	381382.35	3736625.69	1.05E-03	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00
828	381412.35	3736625.69	8.83E-04	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	9.04E-05	0.00E+00	0.00E+00	0.00E+00
829	381442.35	3736625.69	7.59E-04	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	7.78E-05	0.00E+00	0.00E+00	0.00E+00
830	381262.35	3736655.69	3.12E-03	0.00E+00	0.00E+00	0.00E+00	4.81E-04	0.00E+00	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	0.00E+00
831	381292.35	3736655.69	2.20E-03	0.00E+00	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	0.00E+00
832	381322.35	3736655.69	1.69E-03	0.00E+00	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00
833	381352.35	3736655.69	1.35E-03	0.00E+00	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00
834	381382.35	3736655.69	1.10E-03	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00
835	381412.35	3736655.69	9.18E-04	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	9.40E-05	0.00E+00	0.00E+00	0.00E+00
836	381442.35	3736655.69	7.86E-04	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	8.05E-05	0.00E+00	0.00E+00	0.00E+00
837	381472.35	3736655.69	6.78E-04	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	6.95E-05	0.00E+00	0.00E+00	0.00E+00
838	381262.35	3736685.69	3.78E-03	0.00E+00	0.00E+00	0.00E+00	5.82E-04	0.00E+00	0.00E+00	0.00E+00	3.87E-04	0.00E+00	0.00E+00	0.00E+00
839	381292.35	3736685.69	2.52E-03	0.00E+00	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00	0.00E+00
840	381322.35	3736685.69	1.86E-03	0.00E+00	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	0.00E+00
841	381352.35	3736685.69	1.46E-03	0.00E+00	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00
842	381382.35	3736685.69	1.17E-03	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00
843	381412.35	3736685.69	9.68E-04	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	9.92E-05	0.00E+00	0.00E+00	0.00E+00
844	381442.35	3736685.69	8.16E-04	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	8.35E-05	0.00E+00	0.00E+00	0.00E+00
845	381472.35	3736685.69	6.98E-04	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	7.15E-05	0.00E+00	0.00E+00	0.00E+00
846	381292.35	3736715.69	2.92E-03	0.00E+00	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	0.00E+00
847	381322.35	3736715.69	2.08E-03	0.00E+00	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	0.00E+00
848	381352.35	3736715.69	1.59E-03	0.00E+00	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00
849	381382.35	3736715.69	1.25E-03	0.00E+00	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00
850	381412.35	3736715.69	1.02E-03	0.00E+00	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00
851	381442.35	3736715.69	8.49E-04	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	8.70E-05	0.00E+00	0.00E+00	0.00E+00
852	381472.35	3736715.69	7.18E-04	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	7.36E-05	0.00E+00	0.00E+00	0.00E+00
853	381292.35	3736745.69	3.51E-03	0.00E+00	0.00E+00	0.00E+00	5.42E-04	0.00E+00	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00	0.00E+00
854	381322.35	3736745.69	2.39E-03	0.00E+00	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	0.00E+00
855	381352.35	3736745.69	1.75E-03	0.00E+00	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	0.00E+00
856	381382.35	3736745.69	1.35E-03	0.00E+00	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00
857	381412.35	3736745.69	1.08E-03	0.00E+00	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00
858	381442.35	3736745.69	8.86E-04	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	9.07E-05	0.00E+00	0.00E+00	0.00E+00
859	381472.35	3736745.69	7.39E-04	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	7.57E-05	0.00E+00	0.00E+00	0.00E+00
860	381502.35	3736745.69	6.25E-04	0.00E+00	0.00E+00	0.00E+00	9.64E-05	0.00E+00	0.00E+00	0.00E+00	6.40E-05	0.00E+00	0.00E+00	0.00E+00
861	381322.35	3736775.69	2.76E-03	0.00E+00	0.00E+00	0.00E+00	4.26E-04	0.00E+00	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	0.00E+00
862	381352.35	3736775.69	1.95E-03	0.00E+00	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	0.00E+00
863	381382.35	3736775.69	1.46E-03	0.00E+00	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00
864	381412.35	3736775.69	1.14E-03	0.00E+00	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00
865	381442.35	3736775.69	9.20E-04	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	9.42E-05	0.00E+00	0.00E+00	0.00E+00
866	381472.35	3736775.69	7.57E-04	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	7.75E-05	0.00E+00	0.00E+00	0.00E+00
867	381502.35	3736775.69	6.32E-04	0.00E+00	0.00E+00	0.00E+00	9.74E-05	0.00E+00	0.00E+00	0.00E+00	6.48E-05	0.00E+00	0.00E+00	0.00E+00
868	381322.35	3736805.69	3.25E-03	0.00E+00	0.00E+00	0.00E+00	5.01E-04	0.00E+00	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00	0.00E+00
869	381352.35	3736805.69	2.17E-03	0.00E+00	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	0.00E+00
870	381382.35	3736805.69	1.58E-03	0.00E+00	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	0.00E+00
871	381412.35	3736805.69	1.21E-03	0.00E+00	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00
872	381442.35	3736805.69	9.52E-04	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	9.75E-05	0.00E+00	0.00E+00	0.00E+00
873	381472.35	3736805.69	7.69E-04	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	7.88E-05	0.00E+00	0.00E+00	0.00E+00
874	381502.35	3736805.69	6.34E-04	0.00E+00	0.00E+00	0.00E+00	9.78E-05	0.00E+00	0.00E+00	0.00E+00	6.50E-05	0.00E+00	0.00E+00	0.00E+00
875	381532.35	3736805.69	5.31E-04	0.00E+00	0.00E+00	0.00E+00	8.18E-05	0.00E+00	0.00E+00	0.00E+00	5.44E-05	0.00E+00	0.00E+00	0.00E+00
876	381322.35	3736835.69	3.86E-03	0.00E+00	0.00E+00	0.00E+00	5.96E-04	0.00E+00	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00	0.00E+00
877	381352.35	3736835.69	2.41E-03	0.00E+00	0.00E+00	0.00E+00	3.72E-04	0.00E+00	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	0.00E+00
878	381382.35	3736835.69	1.70E-03	0.00E+00	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	0.00E+00
879	381412.35	3736835.69	1.26E-03	0.00E+00	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00
880	381442.35	3736835.69	9.75E-04	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00	9.98E-05	0.00E+00	0.00E+00	0.00E+00
881	381472.35	3736835.69	7.73E-04	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	7.92E-05	0.00E+00	0.00E+00	0.00E+00
882	381502.35	3736835.69	6.29E-04	0.00E+00	0.00E+00	0.00E+00	9.70E-05	0.00E+00	0.00E+00	0.00E+00	6.45E-05	0.00E+00	0.00E+00	0.00E+00
883	381532.35	3736835.69	5.21E-04	0.00E+00	0.00E+00	0.00E+00	8.03E-05	0.00E+00	0.00E+00	0.00E+00	5.33E-05	0.00E+00	0.00E+00	0.00E+00
884	381352.35	3736865.69	2.66E-03	0.00E+00	0.00E+00	0.00E+00	4.10E-04	0.00E+00	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00	0.00E+00
885	381382.35	3736865.69	1.81E-03	0.00E+00	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	0.00E+00
886	381412.35	3736865.69	1.31E-03	0.00E+00	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00
887	381442.35	3736865.69	9.85E-04	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00
888	381472.35	3736865.69	7.69E-04	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	7.87E-05	0.00E+00	0.00E+00	0.00E+00
889	381502.35	3736865.69	6.17E-04	0.00E+00	0.00E+00	0.00E+00	9.51E-05	0.00E+00	0.00E+00	0.00E+00	6.32E-05	0.00E+00	0.00E+00	0.00E+00
890	381532.35	3736865.69	5.05E-04	0.00E+00	0.00E+00	0.00E+00	7.78E-05	0.00E+00	0.00E+00	0.00E+00	5.17E-05	0.00E+00	0.00E+00	0.00E+00
891	381352.35	3736895.69	2.90E-03	0.00E+00	0.00E+00	0.00E+00	4.46E-04	0.00E+00	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	0.00E+00
892	381382.35	3736895.69	1.90E-03	0.00E+00	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00
893	381412.35	3736895.69	1.32E-03	0.00E+00	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00
894	381442.35	3736895.69	9.78E-04	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00
895	381472.35	3736895.69	7.54E-04	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	7.73E-05	0.00E+00	0.00E+00	0.00E+00
896	381502.35	3736895.69	5.98E-04	0.00E+00	0.00E+00	0.00E+00	9.22E-05	0.00E+00	0.00E+00	0.00E+00	6.13E-05	0.00E+00	0.00E+00	0.00E+00

897	381532.35	3736895.69	4.85E-04	0.00E+00	0.00E+00	0.00E+00	7.47E-05	0.00E+00	0.00E+00	0.00E+00	4.96E-05	0.00E+00	0.00E+00	0.00E+00
898	381562.35	3736895.69	4.00E-04	0.00E+00	0.00E+00	0.00E+00	6.17E-05	0.00E+00	0.00E+00	0.00E+00	4.10E-05	0.00E+00	0.00E+00	0.00E+00
899	381352.35	3736925.69	3.18E-03	0.00E+00	0.00E+00	0.00E+00	4.91E-04	0.00E+00	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00	0.00E+00
900	381382.35	3736925.69	1.96E-03	0.00E+00	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	0.00E+00
901	381412.35	3736925.69	1.32E-03	0.00E+00	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00
902	381442.35	3736925.69	9.62E-04	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	9.85E-05	0.00E+00	0.00E+00	0.00E+00
903	381472.35	3736925.69	7.32E-04	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	7.50E-05	0.00E+00	0.00E+00	0.00E+00
904	381502.35	3736925.69	5.75E-04	0.00E+00	0.00E+00	0.00E+00	8.86E-05	0.00E+00	0.00E+00	0.00E+00	5.89E-05	0.00E+00	0.00E+00	0.00E+00
905	381532.35	3736925.69	4.62E-04	0.00E+00	0.00E+00	0.00E+00	7.12E-05	0.00E+00	0.00E+00	0.00E+00	4.73E-05	0.00E+00	0.00E+00	0.00E+00
906	381562.35	3736925.69	3.79E-04	0.00E+00	0.00E+00	0.00E+00	5.84E-05	0.00E+00	0.00E+00	0.00E+00	3.88E-05	0.00E+00	0.00E+00	0.00E+00
907	381382.35	3736955.69	2.01E-03	0.00E+00	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	0.00E+00
908	381412.35	3736955.69	1.32E-03	0.00E+00	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00
909	381442.35	3736955.69	9.37E-04	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	9.60E-05	0.00E+00	0.00E+00	0.00E+00
910	381472.35	3736955.69	7.03E-04	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	7.20E-05	0.00E+00	0.00E+00	0.00E+00
911	381502.35	3736955.69	5.47E-04	0.00E+00	0.00E+00	0.00E+00	8.43E-05	0.00E+00	0.00E+00	0.00E+00	5.60E-05	0.00E+00	0.00E+00	0.00E+00
912	381532.35	3736955.69	4.37E-04	0.00E+00	0.00E+00	0.00E+00	6.74E-05	0.00E+00	0.00E+00	0.00E+00	4.48E-05	0.00E+00	0.00E+00	0.00E+00
913	381562.35	3736955.69	3.56E-04	0.00E+00	0.00E+00	0.00E+00	5.49E-05	0.00E+00	0.00E+00	0.00E+00	3.65E-05	0.00E+00	0.00E+00	0.00E+00
914	380937.58	3735460.07	3.33E-05	0.00E+00	0.00E+00	0.00E+00	5.13E-06	0.00E+00	0.00E+00	0.00E+00	3.41E-06	0.00E+00	0.00E+00	0.00E+00
915	380967.58	3735460.07	3.42E-05	0.00E+00	0.00E+00	0.00E+00	5.27E-06	0.00E+00	0.00E+00	0.00E+00	3.50E-06	0.00E+00	0.00E+00	0.00E+00
916	380997.58	3735460.07	3.51E-05	0.00E+00	0.00E+00	0.00E+00	5.41E-06	0.00E+00	0.00E+00	0.00E+00	3.60E-06	0.00E+00	0.00E+00	0.00E+00
917	381027.58	3735460.07	3.60E-05	0.00E+00	0.00E+00	0.00E+00	5.55E-06	0.00E+00	0.00E+00	0.00E+00	3.69E-06	0.00E+00	0.00E+00	0.00E+00
918	381057.58	3735460.07	3.69E-05	0.00E+00	0.00E+00	0.00E+00	5.68E-06	0.00E+00	0.00E+00	0.00E+00	3.77E-06	0.00E+00	0.00E+00	0.00E+00
919	381087.58	3735460.07	3.77E-05	0.00E+00	0.00E+00	0.00E+00	5.81E-06	0.00E+00	0.00E+00	0.00E+00	3.86E-06	0.00E+00	0.00E+00	0.00E+00
920	381117.58	3735460.07	3.85E-05	0.00E+00	0.00E+00	0.00E+00	5.93E-06	0.00E+00	0.00E+00	0.00E+00	3.94E-06	0.00E+00	0.00E+00	0.00E+00
921	381147.58	3735460.07	3.93E-05	0.00E+00	0.00E+00	0.00E+00	6.05E-06	0.00E+00	0.00E+00	0.00E+00	4.02E-06	0.00E+00	0.00E+00	0.00E+00
922	381177.58	3735460.07	4.00E-05	0.00E+00	0.00E+00	0.00E+00	6.17E-06	0.00E+00	0.00E+00	0.00E+00	4.10E-06	0.00E+00	0.00E+00	0.00E+00
923	381207.58	3735460.07	4.07E-05	0.00E+00	0.00E+00	0.00E+00	6.28E-06	0.00E+00	0.00E+00	0.00E+00	4.17E-06	0.00E+00	0.00E+00	0.00E+00
924	381237.58	3735460.07	4.15E-05	0.00E+00	0.00E+00	0.00E+00	6.39E-06	0.00E+00	0.00E+00	0.00E+00	4.25E-06	0.00E+00	0.00E+00	0.00E+00
925	381267.58	3735460.07	4.22E-05	0.00E+00	0.00E+00	0.00E+00	6.50E-06	0.00E+00	0.00E+00	0.00E+00	4.32E-06	0.00E+00	0.00E+00	0.00E+00
926	381297.58	3735460.07	4.29E-05	0.00E+00	0.00E+00	0.00E+00	6.60E-06	0.00E+00	0.00E+00	0.00E+00	4.39E-06	0.00E+00	0.00E+00	0.00E+00
927	381327.58	3735460.07	4.35E-05	0.00E+00	0.00E+00	0.00E+00	6.71E-06	0.00E+00	0.00E+00	0.00E+00	4.46E-06	0.00E+00	0.00E+00	0.00E+00
928	381357.58	3735460.07	4.42E-05	0.00E+00	0.00E+00	0.00E+00	6.82E-06	0.00E+00	0.00E+00	0.00E+00	4.53E-06	0.00E+00	0.00E+00	0.00E+00
929	381387.58	3735460.07	4.49E-05	0.00E+00	0.00E+00	0.00E+00	6.93E-06	0.00E+00	0.00E+00	0.00E+00	4.60E-06	0.00E+00	0.00E+00	0.00E+00
930	381417.58	3735460.07	4.57E-05	0.00E+00	0.00E+00	0.00E+00	7.04E-06	0.00E+00	0.00E+00	0.00E+00	4.68E-06	0.00E+00	0.00E+00	0.00E+00
931	381447.58	3735460.07	4.64E-05	0.00E+00	0.00E+00	0.00E+00	7.15E-06	0.00E+00	0.00E+00	0.00E+00	4.75E-06	0.00E+00	0.00E+00	0.00E+00
932	381477.58	3735460.07	4.71E-05	0.00E+00	0.00E+00	0.00E+00	7.26E-06	0.00E+00	0.00E+00	0.00E+00	4.82E-06	0.00E+00	0.00E+00	0.00E+00
933	381507.58	3735460.07	4.78E-05	0.00E+00	0.00E+00	0.00E+00	7.37E-06	0.00E+00	0.00E+00	0.00E+00	4.90E-06	0.00E+00	0.00E+00	0.00E+00
934	381537.58	3735460.07	4.86E-05	0.00E+00	0.00E+00	0.00E+00	7.49E-06	0.00E+00	0.00E+00	0.00E+00	4.98E-06	0.00E+00	0.00E+00	0.00E+00
935	381567.58	3735460.07	4.93E-05	0.00E+00	0.00E+00	0.00E+00	7.60E-06	0.00E+00	0.00E+00	0.00E+00	5.05E-06	0.00E+00	0.00E+00	0.00E+00
936	381597.58	3735460.07	5.01E-05	0.00E+00	0.00E+00	0.00E+00	7.72E-06	0.00E+00	0.00E+00	0.00E+00	5.13E-06	0.00E+00	0.00E+00	0.00E+00
937	381627.58	3735460.07	5.09E-05	0.00E+00	0.00E+00	0.00E+00	7.84E-06	0.00E+00	0.00E+00	0.00E+00	5.21E-06	0.00E+00	0.00E+00	0.00E+00
938	381657.58	3735460.07	5.17E-05	0.00E+00	0.00E+00	0.00E+00	7.96E-06	0.00E+00	0.00E+00	0.00E+00	5.29E-06	0.00E+00	0.00E+00	0.00E+00
939	381687.58	3735460.07	5.24E-05	0.00E+00	0.00E+00	0.00E+00	8.08E-06	0.00E+00	0.00E+00	0.00E+00	5.37E-06	0.00E+00	0.00E+00	0.00E+00
940	381717.58	3735460.07	5.32E-05	0.00E+00	0.00E+00	0.00E+00	8.20E-06	0.00E+00	0.00E+00	0.00E+00	5.45E-06	0.00E+00	0.00E+00	0.00E+00
941	381747.58	3735460.07	5.39E-05	0.00E+00	0.00E+00	0.00E+00	8.31E-06	0.00E+00	0.00E+00	0.00E+00	5.52E-06	0.00E+00	0.00E+00	0.00E+00
942	381777.58	3735460.07	5.46E-05	0.00E+00	0.00E+00	0.00E+00	8.42E-06	0.00E+00	0.00E+00	0.00E+00	5.59E-06	0.00E+00	0.00E+00	0.00E+00
943	381807.58	3735460.07	5.53E-05	0.00E+00	0.00E+00	0.00E+00	8.52E-06	0.00E+00	0.00E+00	0.00E+00	5.66E-06	0.00E+00	0.00E+00	0.00E+00
944	380937.58	3735490.07	3.53E-05	0.00E+00	0.00E+00	0.00E+00	5.44E-06	0.00E+00	0.00E+00	0.00E+00	3.62E-06	0.00E+00	0.00E+00	0.00E+00
945	380967.58	3735490.07	3.64E-05	0.00E+00	0.00E+00	0.00E+00	5.60E-06	0.00E+00	0.00E+00	0.00E+00	3.72E-06	0.00E+00	0.00E+00	0.00E+00
946	380997.58	3735490.07	3.73E-05	0.00E+00	0.00E+00	0.00E+00	5.75E-06	0.00E+00	0.00E+00	0.00E+00	3.82E-06	0.00E+00	0.00E+00	0.00E+00
947	381027.58	3735490.07	3.83E-05	0.00E+00	0.00E+00	0.00E+00	5.90E-06	0.00E+00	0.00E+00	0.00E+00	3.92E-06	0.00E+00	0.00E+00	0.00E+00
948	381057.58	3735490.07	3.92E-05	0.00E+00	0.00E+00	0.00E+00	6.04E-06	0.00E+00	0.00E+00	0.00E+00	4.02E-06	0.00E+00	0.00E+00	0.00E+00
949	381087.58	3735490.07	4.01E-05	0.00E+00	0.00E+00	0.00E+00	6.18E-06	0.00E+00	0.00E+00	0.00E+00	4.11E-06	0.00E+00	0.00E+00	0.00E+00
950	381117.58	3735490.07	4.10E-05	0.00E+00	0.00E+00	0.00E+00	6.31E-06	0.00E+00	0.00E+00	0.00E+00	4.20E-06	0.00E+00	0.00E+00	0.00E+00
951	381147.58	3735490.07	4.18E-05	0.00E+00	0.00E+00	0.00E+00	6.44E-06	0.00E+00	0.00E+00	0.00E+00	4.28E-06	0.00E+00	0.00E+00	0.00E+00
952	381177.58	3735490.07	4.26E-05	0.00E+00	0.00E+00	0.00E+00	6.57E-06	0.00E+00	0.00E+00	0.00E+00	4.37E-06	0.00E+00	0.00E+00	0.00E+00
953	381207.58	3735490.07	4.34E-05	0.00E+00	0.00E+00	0.00E+00	6.69E-06	0.00E+00	0.00E+00	0.00E+00	4.45E-06	0.00E+00	0.00E+00	0.00E+00
954	381237.58	3735490.07	4.42E-05	0.00E+00	0.00E+00	0.00E+00	6.81E-06	0.00E+00	0.00E+00	0.00E+00	4.53E-06	0.00E+00	0.00E+00	0.00E+00
955	381267.58	3735490.07	4.50E-05	0.00E+00	0.00E+00	0.00E+00	6.93E-06	0.00E+00	0.00E+00	0.00E+00	4.61E-06	0.00E+00	0.00E+00	0.00E+00
956	381297.58	3735490.07	4.57E-05	0.00E+00	0.00E+00	0.00E+00	7.05E-06	0.00E+00	0.00E+00	0.00E+00	4.68E-06	0.00E+00	0.00E+00	0.00E+00
957	381327.58	3735490.07	4.65E-05	0.00E+00	0.00E+00	0.00E+00	7.17E-06	0.00E+00	0.00E+00	0.00E+00	4.76E-06	0.00E+00	0.00E+00	0.00E+00
958	381357.58	3735490.07	4.65E-05	0.00E+00	0.00E+00	0.00E+00	7.16E-06	0.00E+00	0.00E+00	0.00E+00	4.76E-06	0.00E+00	0.00E+00	0.00E+00
959	381387.58	3735490.07	4.74E-05	0.00E+00	0.00E+00	0.00E+00	7.31E-06	0.00E+00	0.00E+00	0.00E+00	4.86E-06	0.00E+00	0.00E+00	0.00E+00
960	381417.58	3735490.07	4.88E-05	0.00E+00	0.00E+00	0.00E+00	7.53E-06	0.00E+00	0.00E+00	0.00E+00	5.00E-06	0.00E+00	0.00E+00	0.00E+00
961	381447.58	3735490.07	4.96E-05	0.00E+00	0.00E+00	0.00E+00	7.65E-06	0.00E+00	0.00E+00	0.00E+00	5.08E-06	0.00E+00	0.00E+00	0.00E+00
962	381477.58	3735490.07	5.04E-05	0.00E+00	0.00E+00	0.00E+00	7.77E-06	0.00E+00	0.00E+00	0.00E+00	5.16E-06	0.00E+00	0.00E+00	0.00E+00
963	381507.58	3735490.07	5.12E-05	0.00E+00	0.00E+00	0.00E+00	7.90E-06	0.00E+00	0.00E+00	0.00E+00	5.25E-06	0.00E+00	0.00E+00	0.00E+00
964	381537.58	3735490.07	5.21E-05	0.00E+00	0.00E+00	0.00E+00	8.03E-06	0.00E+00	0.00E+00	0.00E+00	5.33E-06	0.00E+00	0.00E+00	0.00E+00
965	381567.58	3735490.07	5.29E-05	0.00E+00	0.00E+00	0.00E+00	8.16E-06	0.00E+00	0.00E+00	0.00E+00	5.42E-06	0.00E+00	0.00E+00	0.00E+00
966	381597.58	3735490.07	5.37E-05	0.00E+00	0.00E+00	0.00E+00	8.28E-06	0.00E+00	0.00E+00	0.00E+00	5.50E-06	0.00E+00	0.00E+00	0.00E+00
967	381627.58	3735490.07	5.46E-05	0.00E+00	0.00E+00	0.00E+00	8.41E-06	0.00E+00	0.00E+00	0.00E+00	5.59E-06	0.00E+00	0.00E+00	0.00E+00
968	381657.58	3735490.07	5.54E-05	0.00E+00	0.00E+00	0.00E+00	8.54E-06	0.00E+00	0.00E+00	0.00E+00	5.68E-06	0.00E+00	0.00E+00	0.00E+00
969	381687.58	3735490.07	5.63E-05	0.00E+00	0.00E+00	0.00E+00	8.67E-06	0.00E+00	0.00E+00	0.00E+00	5.76E-06	0.00E+00	0.00E+00	0.00E+00
970	381717.58	3735490.07	5.71E-05	0.00E+00	0.00E+00	0.00E+00	8.79E-06	0.00E+00	0.00E+00	0.00E+00	5.84E-06	0.00E+00	0.00E+00	0.00E+00
971	381747.58	3735490.07	5.78E-05	0.00E+00	0.00E+00	0.00E+00	8.91E-06	0.00E+00	0.00E+00	0.00E+00	5.92E-06	0.00E+00	0.00E+00	0.00E+00
972	381777.58	3735490.07	5.85E-05	0.00E+00	0.00E+00	0.00E+00	9.02E-06	0.00E+00	0.00E+00	0.00E+00	6.00E-06	0.00E+00	0.00E+00	0.00E+00
973	380937.58	3735520.07	3.76E-05	0.00E+00	0.00E+00	0.00E+00	5.80E-06	0.00E+00	0.00E+00	0.00E+00	3.85E-06	0.00E+00	0.00E+00	0.00E+00
974	380967.58	3735520.07	3.87E-05	0.00E+00	0.00E+00	0.00E+00	5.97E-06	0.00E+00	0.00E+00	0.00E+00	3.97E-06	0.00E+00	0.00E+00	0.00E+00
975	380997.58	3735520.07	3.98E-05	0.00E+00	0.00E+00	0.00E+00	6.13E-06	0.00E+00	0.00E+00	0.00E+00	4.08E-06	0.00E+00	0.00E+00	0.00E+00
976	381027.58	3735520.07	4.08E-05	0.00E+00	0.00E+00	0.00E+00	6.30E-06	0.00E+00	0.00E+00	0.00E+00	4.18E-06	0.00E+00	0.00E+00	0.00E+00
977	381057.58	3735520.07	4.19E-05	0.00E+00	0.00E+00	0.00E+00	6.45E-06	0.00E+00	0.00E+00	0.00E+00	4.29E-06	0.00E+00	0.00E+00	0.00E+00
978	381087.58	3735520.07	4.28E-05	0.00E+00	0.00E+00	0.00E+00	6.60E-06	0.00E+00	0.00E+00	0.00E+00	4.39E-06	0.00E+00	0.00E+00	0.00E+00
979	381117.58	3735520.07	4.38E-05	0.00E+00	0.00E+00	0.00E+00	6.74E-06	0.00E+00	0.00E+00	0.00E+00	4.48E-06	0.00E+00	0.00E+00	0.00E+00
980	381147.58	3735520.07	4.47E-05	0.00E+00	0.00E+00	0.00E+00	6.88E-06	0.00E+00	0.00E+00	0.00E+00	4.57E-06	0.00E+00	0.00E+00	0.00E+00
981	381177.58	3735520.07	4.56E-05	0.00E+00	0.00E+00	0.00E+00	7.02E-06	0.00E+00	0.00E+00	0.00E+00	4.67E-06	0.00E+00	0.00E+00	0.00E+00
982	381207.58	3735520.07	4.64E-05	0.00E+00	0.00E+00	0.00E+00	7.16E-06	0.00E+00	0.00E+00	0.00E+00	4.76E-06	0.00E+00	0.00E+00	0.00E+00
983	381237.58	3735520.07	4.73E-05	0.00E+00	0.00E+00	0.00E+00	7.29E-06	0.00E+00	0.00E+00	0.00E+00	4.84E-06	0.00E+00	0.00E+00	0.00E+00
984	381267.58	3735520.07	4.81E-05	0.00E+00	0.00E+00	0.00E+00	7.42E-06	0.00E+00	0.00E+00	0.00E+00	4.93E-06	0.00E+00	0.00E+00	0.00E+00
985	381297.58	3735520.07	4.90E-05	0.00E+00	0.00E+00	0.00E+00	7.55E-06	0.00E+00	0.00E+00	0.00E+00	5.02E-06	0.00E+00	0.00E+00	0.00E+00
986	381327.58	3735520.07	4.98E-05	0.00E+00	0.00E+00	0.00E+00	7.68E-06	0.00E+00	0.00E+00	0.00E+00	5.10E-06	0.00E+00	0.00E+00	0.00E+00

987	381357.58	3735520.07	5.01E-05	0.00E+00	0.00E+00	0.00E+00	7.71E-06	0.00E+00	0.00E+00	0.00E+00	5.13E-06	0.00E+00	0.00E+00	0.00E+00
988	381387.58	3735520.07	5.10E-05	0.00E+00	0.00E+00	0.00E+00	7.87E-06	0.00E+00	0.00E+00	0.00E+00	5.23E-06	0.00E+00	0.00E+00	0.00E+00
989	381417.58	3735520.07	5.24E-05	0.00E+00	0.00E+00	0.00E+00	8.08E-06	0.00E+00	0.00E+00	0.00E+00	5.37E-06	0.00E+00	0.00E+00	0.00E+00
990	381447.58	3735520.07	5.33E-05	0.00E+00	0.00E+00	0.00E+00	8.22E-06	0.00E+00	0.00E+00	0.00E+00	5.46E-06	0.00E+00	0.00E+00	0.00E+00
991	381477.58	3735520.07	5.42E-05	0.00E+00	0.00E+00	0.00E+00	8.35E-06	0.00E+00	0.00E+00	0.00E+00	5.55E-06	0.00E+00	0.00E+00	0.00E+00
992	381507.58	3735520.07	5.51E-05	0.00E+00	0.00E+00	0.00E+00	8.49E-06	0.00E+00	0.00E+00	0.00E+00	5.64E-06	0.00E+00	0.00E+00	0.00E+00
993	381537.58	3735520.07	5.60E-05	0.00E+00	0.00E+00	0.00E+00	8.63E-06	0.00E+00	0.00E+00	0.00E+00	5.74E-06	0.00E+00	0.00E+00	0.00E+00
994	381567.58	3735520.07	5.70E-05	0.00E+00	0.00E+00	0.00E+00	8.78E-06	0.00E+00	0.00E+00	0.00E+00	5.83E-06	0.00E+00	0.00E+00	0.00E+00
995	381597.58	3735520.07	5.78E-05	0.00E+00	0.00E+00	0.00E+00	8.91E-06	0.00E+00	0.00E+00	0.00E+00	5.92E-06	0.00E+00	0.00E+00	0.00E+00
996	381627.58	3735520.07	5.87E-05	0.00E+00	0.00E+00	0.00E+00	9.05E-06	0.00E+00	0.00E+00	0.00E+00	6.01E-06	0.00E+00	0.00E+00	0.00E+00
997	381657.58	3735520.07	5.96E-05	0.00E+00	0.00E+00	0.00E+00	9.19E-06	0.00E+00	0.00E+00	0.00E+00	6.11E-06	0.00E+00	0.00E+00	0.00E+00
998	381687.58	3735520.07	6.05E-05	0.00E+00	0.00E+00	0.00E+00	9.33E-06	0.00E+00	0.00E+00	0.00E+00	6.20E-06	0.00E+00	0.00E+00	0.00E+00
999	380937.58	3735550.07	4.02E-05	0.00E+00	0.00E+00	0.00E+00	6.20E-06	0.00E+00	0.00E+00	0.00E+00	4.12E-06	0.00E+00	0.00E+00	0.00E+00
1000	380967.58	3735550.07	4.14E-05	0.00E+00	0.00E+00	0.00E+00	6.38E-06	0.00E+00	0.00E+00	0.00E+00	4.24E-06	0.00E+00	0.00E+00	0.00E+00
1001	380997.58	3735550.07	4.26E-05	0.00E+00	0.00E+00	0.00E+00	6.56E-06	0.00E+00	0.00E+00	0.00E+00	4.36E-06	0.00E+00	0.00E+00	0.00E+00
1002	381027.58	3735550.07	4.37E-05	0.00E+00	0.00E+00	0.00E+00	6.74E-06	0.00E+00	0.00E+00	0.00E+00	4.48E-06	0.00E+00	0.00E+00	0.00E+00
1003	381057.58	3735550.07	4.48E-05	0.00E+00	0.00E+00	0.00E+00	6.91E-06	0.00E+00	0.00E+00	0.00E+00	4.59E-06	0.00E+00	0.00E+00	0.00E+00
1004	381087.58	3735550.07	4.59E-05	0.00E+00	0.00E+00	0.00E+00	7.07E-06	0.00E+00	0.00E+00	0.00E+00	4.70E-06	0.00E+00	0.00E+00	0.00E+00
1005	381117.58	3735550.07	4.69E-05	0.00E+00	0.00E+00	0.00E+00	7.23E-06	0.00E+00	0.00E+00	0.00E+00	4.81E-06	0.00E+00	0.00E+00	0.00E+00
1006	381147.58	3735550.07	4.79E-05	0.00E+00	0.00E+00	0.00E+00	7.38E-06	0.00E+00	0.00E+00	0.00E+00	4.91E-06	0.00E+00	0.00E+00	0.00E+00
1007	381177.58	3735550.07	4.89E-05	0.00E+00	0.00E+00	0.00E+00	7.53E-06	0.00E+00	0.00E+00	0.00E+00	5.01E-06	0.00E+00	0.00E+00	0.00E+00
1008	381207.58	3735550.07	4.98E-05	0.00E+00	0.00E+00	0.00E+00	7.68E-06	0.00E+00	0.00E+00	0.00E+00	5.11E-06	0.00E+00	0.00E+00	0.00E+00
1009	381237.58	3735550.07	5.08E-05	0.00E+00	0.00E+00	0.00E+00	7.83E-06	0.00E+00	0.00E+00	0.00E+00	5.20E-06	0.00E+00	0.00E+00	0.00E+00
1010	381267.58	3735550.07	5.17E-05	0.00E+00	0.00E+00	0.00E+00	7.97E-06	0.00E+00	0.00E+00	0.00E+00	5.30E-06	0.00E+00	0.00E+00	0.00E+00
1011	381297.58	3735550.07	5.27E-05	0.00E+00	0.00E+00	0.00E+00	8.12E-06	0.00E+00	0.00E+00	0.00E+00	5.39E-06	0.00E+00	0.00E+00	0.00E+00
1012	381327.58	3735550.07	5.36E-05	0.00E+00	0.00E+00	0.00E+00	8.26E-06	0.00E+00	0.00E+00	0.00E+00	5.49E-06	0.00E+00	0.00E+00	0.00E+00
1013	381357.58	3735550.07	5.46E-05	0.00E+00	0.00E+00	0.00E+00	8.41E-06	0.00E+00	0.00E+00	0.00E+00	5.59E-06	0.00E+00	0.00E+00	0.00E+00
1014	381387.58	3735550.07	5.55E-05	0.00E+00	0.00E+00	0.00E+00	8.56E-06	0.00E+00	0.00E+00	0.00E+00	5.69E-06	0.00E+00	0.00E+00	0.00E+00
1015	381417.58	3735550.07	5.65E-05	0.00E+00	0.00E+00	0.00E+00	8.71E-06	0.00E+00	0.00E+00	0.00E+00	5.79E-06	0.00E+00	0.00E+00	0.00E+00
1016	381447.58	3735550.07	5.75E-05	0.00E+00	0.00E+00	0.00E+00	8.87E-06	0.00E+00	0.00E+00	0.00E+00	5.89E-06	0.00E+00	0.00E+00	0.00E+00
1017	381477.58	3735550.07	5.85E-05	0.00E+00	0.00E+00	0.00E+00	9.01E-06	0.00E+00	0.00E+00	0.00E+00	5.99E-06	0.00E+00	0.00E+00	0.00E+00
1018	381507.58	3735550.07	5.95E-05	0.00E+00	0.00E+00	0.00E+00	9.16E-06	0.00E+00	0.00E+00	0.00E+00	6.09E-06	0.00E+00	0.00E+00	0.00E+00
1019	381537.58	3735550.07	6.05E-05	0.00E+00	0.00E+00	0.00E+00	9.33E-06	0.00E+00	0.00E+00	0.00E+00	6.20E-06	0.00E+00	0.00E+00	0.00E+00
1020	381567.58	3735550.07	6.15E-05	0.00E+00	0.00E+00	0.00E+00	9.48E-06	0.00E+00	0.00E+00	0.00E+00	6.30E-06	0.00E+00	0.00E+00	0.00E+00
1021	381597.58	3735550.07	6.25E-05	0.00E+00	0.00E+00	0.00E+00	9.63E-06	0.00E+00	0.00E+00	0.00E+00	6.40E-06	0.00E+00	0.00E+00	0.00E+00
1022	381627.58	3735550.07	6.34E-05	0.00E+00	0.00E+00	0.00E+00	9.77E-06	0.00E+00	0.00E+00	0.00E+00	6.49E-06	0.00E+00	0.00E+00	0.00E+00
1023	380937.58	3735580.07	4.31E-05	0.00E+00	0.00E+00	0.00E+00	6.65E-06	0.00E+00	0.00E+00	0.00E+00	4.42E-06	0.00E+00	0.00E+00	0.00E+00
1024	380967.58	3735580.07	4.45E-05	0.00E+00	0.00E+00	0.00E+00	6.85E-06	0.00E+00	0.00E+00	0.00E+00	4.56E-06	0.00E+00	0.00E+00	0.00E+00
1025	380997.58	3735580.07	4.58E-05	0.00E+00	0.00E+00	0.00E+00	7.05E-06	0.00E+00	0.00E+00	0.00E+00	4.69E-06	0.00E+00	0.00E+00	0.00E+00
1026	381027.58	3735580.07	4.70E-05	0.00E+00	0.00E+00	0.00E+00	7.25E-06	0.00E+00	0.00E+00	0.00E+00	4.82E-06	0.00E+00	0.00E+00	0.00E+00
1027	381057.58	3735580.07	4.82E-05	0.00E+00	0.00E+00	0.00E+00	7.43E-06	0.00E+00	0.00E+00	0.00E+00	4.94E-06	0.00E+00	0.00E+00	0.00E+00
1028	381087.58	3735580.07	4.94E-05	0.00E+00	0.00E+00	0.00E+00	7.61E-06	0.00E+00	0.00E+00	0.00E+00	5.06E-06	0.00E+00	0.00E+00	0.00E+00
1029	381117.58	3735580.07	5.05E-05	0.00E+00	0.00E+00	0.00E+00	7.78E-06	0.00E+00	0.00E+00	0.00E+00	5.17E-06	0.00E+00	0.00E+00	0.00E+00
1030	381147.58	3735580.07	5.16E-05	0.00E+00	0.00E+00	0.00E+00	7.95E-06	0.00E+00	0.00E+00	0.00E+00	5.28E-06	0.00E+00	0.00E+00	0.00E+00
1031	381177.58	3735580.07	5.27E-05	0.00E+00	0.00E+00	0.00E+00	8.12E-06	0.00E+00	0.00E+00	0.00E+00	5.39E-06	0.00E+00	0.00E+00	0.00E+00
1032	381207.58	3735580.07	5.37E-05	0.00E+00	0.00E+00	0.00E+00	8.28E-06	0.00E+00	0.00E+00	0.00E+00	5.50E-06	0.00E+00	0.00E+00	0.00E+00
1033	381237.58	3735580.07	5.48E-05	0.00E+00	0.00E+00	0.00E+00	8.44E-06	0.00E+00	0.00E+00	0.00E+00	5.61E-06	0.00E+00	0.00E+00	0.00E+00
1034	381267.58	3735580.07	5.58E-05	0.00E+00	0.00E+00	0.00E+00	8.60E-06	0.00E+00	0.00E+00	0.00E+00	5.72E-06	0.00E+00	0.00E+00	0.00E+00
1035	381297.58	3735580.07	5.69E-05	0.00E+00	0.00E+00	0.00E+00	8.77E-06	0.00E+00	0.00E+00	0.00E+00	5.83E-06	0.00E+00	0.00E+00	0.00E+00
1036	381327.58	3735580.07	5.80E-05	0.00E+00	0.00E+00	0.00E+00	8.93E-06	0.00E+00	0.00E+00	0.00E+00	5.94E-06	0.00E+00	0.00E+00	0.00E+00
1037	381357.58	3735580.07	5.90E-05	0.00E+00	0.00E+00	0.00E+00	9.10E-06	0.00E+00	0.00E+00	0.00E+00	6.05E-06	0.00E+00	0.00E+00	0.00E+00
1038	381387.58	3735580.07	6.01E-05	0.00E+00	0.00E+00	0.00E+00	9.26E-06	0.00E+00	0.00E+00	0.00E+00	6.16E-06	0.00E+00	0.00E+00	0.00E+00
1039	381417.58	3735580.07	6.12E-05	0.00E+00	0.00E+00	0.00E+00	9.43E-06	0.00E+00	0.00E+00	0.00E+00	6.27E-06	0.00E+00	0.00E+00	0.00E+00
1040	381447.58	3735580.07	6.23E-05	0.00E+00	0.00E+00	0.00E+00	9.60E-06	0.00E+00	0.00E+00	0.00E+00	6.38E-06	0.00E+00	0.00E+00	0.00E+00
1041	381477.58	3735580.07	6.34E-05	0.00E+00	0.00E+00	0.00E+00	9.77E-06	0.00E+00	0.00E+00	0.00E+00	6.49E-06	0.00E+00	0.00E+00	0.00E+00
1042	381507.58	3735580.07	6.45E-05	0.00E+00	0.00E+00	0.00E+00	9.94E-06	0.00E+00	0.00E+00	0.00E+00	6.61E-06	0.00E+00	0.00E+00	0.00E+00
1043	381537.58	3735580.07	6.56E-05	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	6.72E-06	0.00E+00	0.00E+00	0.00E+00
1044	380937.58	3735610.07	4.64E-05	0.00E+00	0.00E+00	0.00E+00	7.16E-06	0.00E+00	0.00E+00	0.00E+00	4.76E-06	0.00E+00	0.00E+00	0.00E+00
1045	380967.58	3735610.07	4.79E-05	0.00E+00	0.00E+00	0.00E+00	7.39E-06	0.00E+00	0.00E+00	0.00E+00	4.91E-06	0.00E+00	0.00E+00	0.00E+00
1046	380997.58	3735610.07	4.94E-05	0.00E+00	0.00E+00	0.00E+00	7.61E-06	0.00E+00	0.00E+00	0.00E+00	5.06E-06	0.00E+00	0.00E+00	0.00E+00
1047	381027.58	3735610.07	5.08E-05	0.00E+00	0.00E+00	0.00E+00	7.82E-06	0.00E+00	0.00E+00	0.00E+00	5.20E-06	0.00E+00	0.00E+00	0.00E+00
1048	381057.58	3735610.07	5.21E-05	0.00E+00	0.00E+00	0.00E+00	8.03E-06	0.00E+00	0.00E+00	0.00E+00	5.33E-06	0.00E+00	0.00E+00	0.00E+00
1049	381087.58	3735610.07	5.34E-05	0.00E+00	0.00E+00	0.00E+00	8.22E-06	0.00E+00	0.00E+00	0.00E+00	5.47E-06	0.00E+00	0.00E+00	0.00E+00
1050	381117.58	3735610.07	5.46E-05	0.00E+00	0.00E+00	0.00E+00	8.42E-06	0.00E+00	0.00E+00	0.00E+00	5.59E-06	0.00E+00	0.00E+00	0.00E+00
1051	381147.58	3735610.07	5.58E-05	0.00E+00	0.00E+00	0.00E+00	8.60E-06	0.00E+00	0.00E+00	0.00E+00	5.72E-06	0.00E+00	0.00E+00	0.00E+00
1052	381177.58	3735610.07	5.70E-05	0.00E+00	0.00E+00	0.00E+00	8.79E-06	0.00E+00	0.00E+00	0.00E+00	5.84E-06	0.00E+00	0.00E+00	0.00E+00
1053	381207.58	3735610.07	5.82E-05	0.00E+00	0.00E+00	0.00E+00	8.97E-06	0.00E+00	0.00E+00	0.00E+00	5.96E-06	0.00E+00	0.00E+00	0.00E+00
1054	381237.58	3735610.07	5.94E-05	0.00E+00	0.00E+00	0.00E+00	9.15E-06	0.00E+00	0.00E+00	0.00E+00	6.08E-06	0.00E+00	0.00E+00	0.00E+00
1055	381267.58	3735610.07	6.05E-05	0.00E+00	0.00E+00	0.00E+00	9.33E-06	0.00E+00	0.00E+00	0.00E+00	6.20E-06	0.00E+00	0.00E+00	0.00E+00
1056	381297.58	3735610.07	6.17E-05	0.00E+00	0.00E+00	0.00E+00	9.51E-06	0.00E+00	0.00E+00	0.00E+00	6.32E-06	0.00E+00	0.00E+00	0.00E+00
1057	381327.58	3735610.07	6.29E-05	0.00E+00	0.00E+00	0.00E+00	9.70E-06	0.00E+00	0.00E+00	0.00E+00	6.44E-06	0.00E+00	0.00E+00	0.00E+00
1058	381357.58	3735610.07	6.41E-05	0.00E+00	0.00E+00	0.00E+00	9.88E-06	0.00E+00	0.00E+00	0.00E+00	6.57E-06	0.00E+00	0.00E+00	0.00E+00
1059	381387.58	3735610.07	6.53E-05	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	6.69E-06	0.00E+00	0.00E+00	0.00E+00
1060	381417.58	3735610.07	6.65E-05	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	6.81E-06	0.00E+00	0.00E+00	0.00E+00
1061	381447.58	3735610.07	6.77E-05	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	6.94E-06	0.00E+00	0.00E+00	0.00E+00
1062	381477.58	3735610.07	6.90E-05	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	7.06E-06	0.00E+00	0.00E+00	0.00E+00
1063	380937.58	3735640.07	5.03E-05	0.00E+00	0.00E+00	0.00E+00	7.75E-06	0.00E+00	0.00E+00	0.00E+00	5.15E-06	0.00E+00	0.00E+00	0.00E+00
1064	380967.58	3735640.07	5.19E-05	0.00E+00	0.00E+00	0.00E+00	8.00E-06	0.00E+00	0.00E+00	0.00E+00	5.32E-06	0.00E+00	0.00E+00	0.00E+00
1065	380997.58	3735640.07	5.35E-05	0.00E+00	0.00E+00	0.00E+00	8.25E-06	0.00E+00	0.00E+00	0.00E+00	5.48E-06	0.00E+00	0.00E+00	0.00E+00
1066	381027.58	3735640.07	5.50E-05	0.00E+00	0.00E+00	0.00E+00	8.48E-06	0.00E+00	0.00E+00	0.00E+00	5.64E-06	0.00E+00	0.00E+00	0.00E+00
1067	381057.58	3735640.07	5.65E-05	0.00E+00	0.00E+00	0.00E+00	8.71E-06	0.00E+00	0.00E+00	0.00E+00	5.79E-06	0.00E+00	0.00E+00	0.00E+00
1068	381087.58	3735640.07	5.79E-05	0.00E+00	0.00E+00	0.00E+00	8.93E-06	0.00E+00	0.00E+00	0.00E+00	5.93E-06	0.00E+00	0.00E+00	0.00E+00
1069	381117.58	3735640.07	5.93E-05	0.00E+00	0.00E+00	0.00E+00	9.14E-06	0.00E+00	0.00E+00	0.00E+00	6.08E-06	0.00E+00	0.00E+00	0.00E+00
1070	381147.58	3735640.07	6.07E-05	0.00E+00	0.00E+00	0.00E+00	9.35E-06	0.00E+00	0.00E+00	0.00E+00	6.22E-06	0.00E+00	0.00E+00	0.00E+00
1071	381177.58	3735640.07	6.20E-05	0.00E+00	0.00E+00	0.00E+00	9.56E-06	0.00E+00	0.00E+00	0.00E+00	6.35E-06	0.00E+00	0.00E+00	0.00E+00
1072	381207.58	3735640.07	6.33E-05	0.00E+00	0.00E+00	0.00E+00	9.76E-06	0.00E+00	0.00E+00	0.00E+00	6.49E-06	0.00E+00	0.00E+00	0.00E+00
1073	381237.58	3735640.07	6.46E-05	0.00E+00	0.00E+00	0.00E+00	9.96E-06	0.00E+00	0.00E+00	0.00E+00	6.62E-06	0.00E+00	0.00E+00	0.00E+00
1074	381267.58	3735640.07	6.60E-05	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	6.76E-06	0.00E+00	0.00E+00	0.00E+00
1075	381297.58	3735640.07	6.73E-05	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	6.89E-06	0.00E+00	0.00E+00	0.00E+00
1076	381327.58	3735640.07	6.86E-05	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	7.03E-06	0.00E+00	0.00E+00	0.00E+00

1077	381357.58	3735640.07	7.00E-05	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	7.17E-06	0.00E+00	0.00E+00	0.00E+00
1078	381387.58	3735640.07	7.13E-05	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	7.31E-06	0.00E+00	0.00E+00	0.00E+00
1079	380937.58	3735670.07	5.47E-05	0.00E+00	0.00E+00	0.00E+00	8.42E-06	0.00E+00	0.00E+00	0.00E+00	5.60E-06	0.00E+00	0.00E+00	0.00E+00
1080	380967.58	3735670.07	5.65E-05	0.00E+00	0.00E+00	0.00E+00	8.71E-06	0.00E+00	0.00E+00	0.00E+00	5.79E-06	0.00E+00	0.00E+00	0.00E+00
1081	380997.58	3735670.07	5.83E-05	0.00E+00	0.00E+00	0.00E+00	8.98E-06	0.00E+00	0.00E+00	0.00E+00	5.97E-06	0.00E+00	0.00E+00	0.00E+00
1082	381027.58	3735670.07	6.00E-05	0.00E+00	0.00E+00	0.00E+00	9.25E-06	0.00E+00	0.00E+00	0.00E+00	6.14E-06	0.00E+00	0.00E+00	0.00E+00
1083	381057.58	3735670.07	6.16E-05	0.00E+00	0.00E+00	0.00E+00	9.50E-06	0.00E+00	0.00E+00	0.00E+00	6.31E-06	0.00E+00	0.00E+00	0.00E+00
1084	381087.58	3735670.07	6.32E-05	0.00E+00	0.00E+00	0.00E+00	9.75E-06	0.00E+00	0.00E+00	0.00E+00	6.48E-06	0.00E+00	0.00E+00	0.00E+00
1085	381117.58	3735670.07	6.48E-05	0.00E+00	0.00E+00	0.00E+00	9.99E-06	0.00E+00	0.00E+00	0.00E+00	6.64E-06	0.00E+00	0.00E+00	0.00E+00
1086	381147.58	3735670.07	6.63E-05	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	6.79E-06	0.00E+00	0.00E+00	0.00E+00
1087	381177.58	3735670.07	6.78E-05	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	6.95E-06	0.00E+00	0.00E+00	0.00E+00
1088	381207.58	3735670.07	6.93E-05	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	7.10E-06	0.00E+00	0.00E+00	0.00E+00
1089	381237.58	3735670.07	7.08E-05	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	7.25E-06	0.00E+00	0.00E+00	0.00E+00
1090	380937.58	3735700.07	5.97E-05	0.00E+00	0.00E+00	0.00E+00	9.21E-06	0.00E+00	0.00E+00	0.00E+00	6.12E-06	0.00E+00	0.00E+00	0.00E+00
1091	380967.58	3735700.07	6.18E-05	0.00E+00	0.00E+00	0.00E+00	9.53E-06	0.00E+00	0.00E+00	0.00E+00	6.33E-06	0.00E+00	0.00E+00	0.00E+00
1092	380997.58	3735700.07	6.38E-05	0.00E+00	0.00E+00	0.00E+00	9.84E-06	0.00E+00	0.00E+00	0.00E+00	6.54E-06	0.00E+00	0.00E+00	0.00E+00
1093	381027.58	3735700.07	6.57E-05	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	6.73E-06	0.00E+00	0.00E+00	0.00E+00
1094	381057.58	3735700.07	6.76E-05	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	6.92E-06	0.00E+00	0.00E+00	0.00E+00
1095	381087.58	3735700.07	6.94E-05	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	7.11E-06	0.00E+00	0.00E+00	0.00E+00
1096	381117.58	3735700.07	7.12E-05	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	7.29E-06	0.00E+00	0.00E+00	0.00E+00
1097	381147.58	3735700.07	7.29E-05	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	7.47E-06	0.00E+00	0.00E+00	0.00E+00
1098	381177.58	3735700.07	7.46E-05	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	7.64E-06	0.00E+00	0.00E+00	0.00E+00
1099	381207.58	3735700.07	7.63E-05	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	7.81E-06	0.00E+00	0.00E+00	0.00E+00
1100	380937.58	3735730.07	6.57E-05	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	6.73E-06	0.00E+00	0.00E+00	0.00E+00
1101	380967.58	3735730.07	6.81E-05	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	6.97E-06	0.00E+00	0.00E+00	0.00E+00
1102	380997.58	3735730.07	7.03E-05	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	7.20E-06	0.00E+00	0.00E+00	0.00E+00
1103	381027.58	3735730.07	7.25E-05	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	7.43E-06	0.00E+00	0.00E+00	0.00E+00
1104	381057.58	3735730.07	7.46E-05	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	7.64E-06	0.00E+00	0.00E+00	0.00E+00
1105	381087.58	3735730.07	7.67E-05	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	7.86E-06	0.00E+00	0.00E+00	0.00E+00
1106	381117.58	3735730.07	7.87E-05	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	8.06E-06	0.00E+00	0.00E+00	0.00E+00
1107	381147.58	3735730.07	8.07E-05	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	8.26E-06	0.00E+00	0.00E+00	0.00E+00
1108	381177.58	3735730.07	8.26E-05	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	8.46E-06	0.00E+00	0.00E+00	0.00E+00
1109	380997.58	3735760.07	7.80E-05	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	7.99E-06	0.00E+00	0.00E+00	0.00E+00
1110	381027.58	3735760.07	8.05E-05	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	8.25E-06	0.00E+00	0.00E+00	0.00E+00
1111	381057.58	3735760.07	8.30E-05	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	8.50E-06	0.00E+00	0.00E+00	0.00E+00
1112	381087.58	3735760.07	8.53E-05	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	8.74E-06	0.00E+00	0.00E+00	0.00E+00
1113	381117.58	3735760.07	8.76E-05	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	8.97E-06	0.00E+00	0.00E+00	0.00E+00
1114	381147.58	3735760.07	8.99E-05	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	9.21E-06	0.00E+00	0.00E+00	0.00E+00
1115	380937.58	3735790.07	8.11E-05	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	8.31E-06	0.00E+00	0.00E+00	0.00E+00
1116	380937.58	3735820.07	9.11E-05	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	9.34E-06	0.00E+00	0.00E+00	0.00E+00
1117	380967.58	3735820.07	9.49E-05	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	9.72E-06	0.00E+00	0.00E+00	0.00E+00
1118	380997.58	3735820.07	9.84E-05	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00
1119	381027.58	3735820.07	1.02E-04	0.00E+00	0.00E+00	0.00E+00	1.57E-05	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00
1120	381057.58	3735820.07	1.05E-04	0.00E+00	0.00E+00	0.00E+00	1.62E-05	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00
1121	381087.58	3735820.07	1.08E-04	0.00E+00	0.00E+00	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00
1122	380937.58	3735850.07	1.04E-04	0.00E+00	0.00E+00	0.00E+00	1.60E-05	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00
1123	380967.58	3735850.07	1.08E-04	0.00E+00	0.00E+00	0.00E+00	1.66E-05	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00
1124	380997.58	3735850.07	1.12E-04	0.00E+00	0.00E+00	0.00E+00	1.73E-05	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00
1125	381027.58	3735850.07	1.16E-04	0.00E+00	0.00E+00	0.00E+00	1.79E-05	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00
1126	381057.58	3735850.07	1.20E-04	0.00E+00	0.00E+00	0.00E+00	1.85E-05	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00
1127	381087.58	3735850.07	1.24E-04	0.00E+00	0.00E+00	0.00E+00	1.90E-05	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00
1128	380937.58	3735880.07	1.19E-04	0.00E+00	0.00E+00	0.00E+00	1.83E-05	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00
1129	380967.58	3735880.07	1.24E-04	0.00E+00	0.00E+00	0.00E+00	1.91E-05	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00
1130	380997.58	3735880.07	1.29E-04	0.00E+00	0.00E+00	0.00E+00	1.99E-05	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00
1131	381027.58	3735880.07	1.34E-04	0.00E+00	0.00E+00	0.00E+00	2.06E-05	0.00E+00	0.00E+00	0.00E+00	1.37E-05	0.00E+00	0.00E+00	0.00E+00
1132	381057.58	3735880.07	1.38E-04	0.00E+00	0.00E+00	0.00E+00	2.13E-05	0.00E+00	0.00E+00	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00
1133	381087.58	3735880.07	1.42E-04	0.00E+00	0.00E+00	0.00E+00	2.19E-05	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00
1134	380937.58	3735910.07	1.38E-04	0.00E+00	0.00E+00	0.00E+00	2.13E-05	0.00E+00	0.00E+00	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00
1135	380967.58	3735910.07	1.44E-04	0.00E+00	0.00E+00	0.00E+00	2.23E-05	0.00E+00	0.00E+00	0.00E+00	1.48E-05	0.00E+00	0.00E+00	0.00E+00
1136	380997.58	3735910.07	1.50E-04	0.00E+00	0.00E+00	0.00E+00	2.32E-05	0.00E+00	0.00E+00	0.00E+00	1.54E-05	0.00E+00	0.00E+00	0.00E+00
1137	381027.58	3735910.07	1.56E-04	0.00E+00	0.00E+00	0.00E+00	2.40E-05	0.00E+00	0.00E+00	0.00E+00	1.60E-05	0.00E+00	0.00E+00	0.00E+00
1138	381057.58	3735910.07	1.61E-04	0.00E+00	0.00E+00	0.00E+00	2.48E-05	0.00E+00	0.00E+00	0.00E+00	1.65E-05	0.00E+00	0.00E+00	0.00E+00
1139	381087.58	3735910.07	1.65E-04	0.00E+00	0.00E+00	0.00E+00	2.55E-05	0.00E+00	0.00E+00	0.00E+00	1.69E-05	0.00E+00	0.00E+00	0.00E+00
1140	381117.58	3735910.07	1.70E-04	0.00E+00	0.00E+00	0.00E+00	2.62E-05	0.00E+00	0.00E+00	0.00E+00	1.74E-05	0.00E+00	0.00E+00	0.00E+00
1141	380937.58	3735940.07	1.63E-04	0.00E+00	0.00E+00	0.00E+00	2.51E-05	0.00E+00	0.00E+00	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00
1142	380967.58	3735940.07	1.71E-04	0.00E+00	0.00E+00	0.00E+00	2.63E-05	0.00E+00	0.00E+00	0.00E+00	1.75E-05	0.00E+00	0.00E+00	0.00E+00
1143	380997.58	3735940.07	1.77E-04	0.00E+00	0.00E+00	0.00E+00	2.73E-05	0.00E+00	0.00E+00	0.00E+00	1.82E-05	0.00E+00	0.00E+00	0.00E+00
1144	381027.58	3735940.07	1.84E-04	0.00E+00	0.00E+00	0.00E+00	2.83E-05	0.00E+00	0.00E+00	0.00E+00	1.88E-05	0.00E+00	0.00E+00	0.00E+00
1145	381057.58	3735940.07	1.89E-04	0.00E+00	0.00E+00	0.00E+00	2.92E-05	0.00E+00	0.00E+00	0.00E+00	1.94E-05	0.00E+00	0.00E+00	0.00E+00
1146	381087.58	3735940.07	1.94E-04	0.00E+00	0.00E+00	0.00E+00	2.99E-05	0.00E+00	0.00E+00	0.00E+00	1.99E-05	0.00E+00	0.00E+00	0.00E+00
1147	381117.58	3735940.07	1.99E-04	0.00E+00	0.00E+00	0.00E+00	3.06E-05	0.00E+00	0.00E+00	0.00E+00	2.03E-05	0.00E+00	0.00E+00	0.00E+00
1148	380967.58	3735970.07	2.04E-04	0.00E+00	0.00E+00	0.00E+00	3.15E-05	0.00E+00	0.00E+00	0.00E+00	2.09E-05	0.00E+00	0.00E+00	0.00E+00
1149	380997.58	3735970.07	2.12E-04	0.00E+00	0.00E+00	0.00E+00	3.27E-05	0.00E+00	0.00E+00	0.00E+00	2.17E-05	0.00E+00	0.00E+00	0.00E+00
1150	381027.58	3735970.07	2.19E-04	0.00E+00	0.00E+00	0.00E+00	3.38E-05	0.00E+00	0.00E+00	0.00E+00	2.24E-05	0.00E+00	0.00E+00	0.00E+00
1151	381057.58	3735970.07	2.25E-04	0.00E+00	0.00E+00	0.00E+00	3.47E-05	0.00E+00	0.00E+00	0.00E+00	2.30E-05	0.00E+00	0.00E+00	0.00E+00
1152	381087.58	3735970.07	2.30E-04	0.00E+00	0.00E+00	0.00E+00	3.55E-05	0.00E+00	0.00E+00	0.00E+00	2.36E-05	0.00E+00	0.00E+00	0.00E+00
1153	381117.58	3735970.07	2.34E-04	0.00E+00	0.00E+00	0.00E+00	3.61E-05	0.00E+00	0.00E+00	0.00E+00	2.40E-05	0.00E+00	0.00E+00	0.00E+00
1154	381147.58	3735970.07	2.38E-04	0.00E+00	0.00E+00	0.00E+00	3.67E-05	0.00E+00	0.00E+00	0.00E+00	2.44E-05	0.00E+00	0.00E+00	0.00E+00
1155	381027.58	3736000.07	2.64E-04	0.00E+00	0.00E+00	0.00E+00	4.07E-05	0.00E+00	0.00E+00	0.00E+00	2.70E-05	0.00E+00	0.00E+00	0.00E+00
1156	381057.58	3736000.07	2.70E-04	0.00E+00	0.00E+00	0.00E+00	4.16E-05	0.00E+00	0.00E+00	0.00E+00	2.76E-05	0.00E+00	0.00E+00	0.00E+00
1157	381087.58	3736000.07	2.75E-04	0.00E+00	0.00E+00	0.00E+00	4.23E-05	0.00E+00	0.00E+00	0.00E+00	2.81E-05	0.00E+00	0.00E+00	0.00E+00
1158	381117.58	3736000.07	2.78E-04	0.00E+00	0.00E+00	0.00E+00	4.29E-05	0.00E+00	0.00E+00	0.00E+00	2.85E-05	0.00E+00	0.00E+00	0.00E+00
1159	381147.58	3736000.07	2.81E-04	0.00E+00	0.00E+00	0.00E+00	4.33E-05	0.00E+00	0.00E+00	0.00E+00	2.88E-05	0.00E+00	0.00E+00	0.00E+00
1160	380997.58	3736030.07	3.15E-04	0.00E+00	0.00E+00	0.00E+00	4.85E-05	0.00E+00	0.00E+00	0.00E+00	3.22E-05	0.00E+00	0.00E+00	0.00E+00
1161	381027.58	3736030.07	3.21E-04	0.00E+00	0.00E+00	0.00E+00	4.95E-05	0.00E+00	0.00E+00	0.00E+00	3.29E-05	0.00E+00	0.00E+00	0.00E+00
1162	381057.58	3736030.07	3.26E-04	0.00E+00	0.00E+00	0.00E+00	5.03E-05	0.00E+00	0.00E+00	0.00E+00	3.34E-05	0.00E+00	0.00E+00	0.00E+00
1163	381087.58	3736030.07	3.30E-04	0.00E+00	0.00E+00	0.00E+00	5.09E-05	0.00E+00	0.00E+00	0.00E+00	3.38E-05	0.00E+00	0.00E+00	0.00E+00
1164	381117.58	3736030.07	3.33E-04	0.00E+00	0.00E+00	0.00E+00	5.13E-05	0.00E+00	0.00E+00	0.00E+00	3.41E-05	0.00E+00	0.00E+00	0.00E+00
1165	381147.58	3736030.07	3.34E-04	0.00E+00	0.00E+00	0.00E+00	5.14E-05	0.00E+00	0.00E+00	0.00E+00	3.42E-05	0.00E+00	0.00E+00	0.00E+00
1166	380997.58	3736060.07	3.90E-04	0.00E+00	0.00E+00	0.00E+00	6.00E-05	0.00E+00	0.00E+00	0.00E+00	3.99E-05	0.00E+00	0.00E+00	0.00E+00

1167	381027.58	3736060.07	3.95E-04	0.00E+00	0.00E+00	0.00E+00	6.09E-05	0.00E+00	0.00E+00	0.00E+00	4.04E-05	0.00E+00	0.00E+00	0.00E+00
1168	381057.58	3736060.07	3.98E-04	0.00E+00	0.00E+00	0.00E+00	6.14E-05	0.00E+00	0.00E+00	0.00E+00	4.08E-05	0.00E+00	0.00E+00	0.00E+00
1169	381087.58	3736060.07	4.00E-04	0.00E+00	0.00E+00	0.00E+00	6.16E-05	0.00E+00	0.00E+00	0.00E+00	4.09E-05	0.00E+00	0.00E+00	0.00E+00
1170	381117.58	3736060.07	3.99E-04	0.00E+00	0.00E+00	0.00E+00	6.16E-05	0.00E+00	0.00E+00	0.00E+00	4.09E-05	0.00E+00	0.00E+00	0.00E+00
1171	381147.58	3736060.07	3.97E-04	0.00E+00	0.00E+00	0.00E+00	6.13E-05	0.00E+00	0.00E+00	0.00E+00	4.07E-05	0.00E+00	0.00E+00	0.00E+00
1172	381177.58	3736060.07	3.94E-04	0.00E+00	0.00E+00	0.00E+00	6.06E-05	0.00E+00	0.00E+00	0.00E+00	4.03E-05	0.00E+00	0.00E+00	0.00E+00
1173	380967.58	3736090.07	4.83E-04	0.00E+00	0.00E+00	0.00E+00	7.44E-05	0.00E+00	0.00E+00	0.00E+00	4.95E-05	0.00E+00	0.00E+00	0.00E+00
1174	380997.58	3736090.07	4.87E-04	0.00E+00	0.00E+00	0.00E+00	7.51E-05	0.00E+00	0.00E+00	0.00E+00	4.99E-05	0.00E+00	0.00E+00	0.00E+00
1175	381027.58	3736090.07	4.90E-04	0.00E+00	0.00E+00	0.00E+00	7.55E-05	0.00E+00	0.00E+00	0.00E+00	5.02E-05	0.00E+00	0.00E+00	0.00E+00
1176	381057.58	3736090.07	4.90E-04	0.00E+00	0.00E+00	0.00E+00	7.54E-05	0.00E+00	0.00E+00	0.00E+00	5.01E-05	0.00E+00	0.00E+00	0.00E+00
1177	381087.58	3736090.07	4.87E-04	0.00E+00	0.00E+00	0.00E+00	7.50E-05	0.00E+00	0.00E+00	0.00E+00	4.99E-05	0.00E+00	0.00E+00	0.00E+00
1178	381117.58	3736090.07	4.82E-04	0.00E+00	0.00E+00	0.00E+00	7.42E-05	0.00E+00	0.00E+00	0.00E+00	4.93E-05	0.00E+00	0.00E+00	0.00E+00
1179	381147.58	3736090.07	4.74E-04	0.00E+00	0.00E+00	0.00E+00	7.31E-05	0.00E+00	0.00E+00	0.00E+00	4.86E-05	0.00E+00	0.00E+00	0.00E+00
1180	381177.58	3736090.07	4.65E-04	0.00E+00	0.00E+00	0.00E+00	7.16E-05	0.00E+00	0.00E+00	0.00E+00	4.76E-05	0.00E+00	0.00E+00	0.00E+00
1181	380967.58	3736120.07	6.18E-04	0.00E+00	0.00E+00	0.00E+00	9.52E-05	0.00E+00	0.00E+00	0.00E+00	6.33E-05	0.00E+00	0.00E+00	0.00E+00
1182	380997.58	3736120.07	6.17E-04	0.00E+00	0.00E+00	0.00E+00	9.52E-05	0.00E+00	0.00E+00	0.00E+00	6.32E-05	0.00E+00	0.00E+00	0.00E+00
1183	381027.58	3736120.07	6.14E-04	0.00E+00	0.00E+00	0.00E+00	9.46E-05	0.00E+00	0.00E+00	0.00E+00	6.29E-05	0.00E+00	0.00E+00	0.00E+00
1184	381057.58	3736120.07	6.07E-04	0.00E+00	0.00E+00	0.00E+00	9.35E-05	0.00E+00	0.00E+00	0.00E+00	6.22E-05	0.00E+00	0.00E+00	0.00E+00
1185	381087.58	3736120.07	5.96E-04	0.00E+00	0.00E+00	0.00E+00	9.19E-05	0.00E+00	0.00E+00	0.00E+00	6.10E-05	0.00E+00	0.00E+00	0.00E+00
1186	381117.58	3736120.07	5.82E-04	0.00E+00	0.00E+00	0.00E+00	8.97E-05	0.00E+00	0.00E+00	0.00E+00	5.96E-05	0.00E+00	0.00E+00	0.00E+00
1187	381147.58	3736120.07	5.66E-04	0.00E+00	0.00E+00	0.00E+00	8.72E-05	0.00E+00	0.00E+00	0.00E+00	5.80E-05	0.00E+00	0.00E+00	0.00E+00
1188	381177.58	3736120.07	5.47E-04	0.00E+00	0.00E+00	0.00E+00	8.43E-05	0.00E+00	0.00E+00	0.00E+00	5.60E-05	0.00E+00	0.00E+00	0.00E+00
1189	380937.58	3736150.07	8.08E-04	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	8.28E-05	0.00E+00	0.00E+00	0.00E+00
1190	380967.58	3736150.07	8.02E-04	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	8.22E-05	0.00E+00	0.00E+00	0.00E+00
1191	380997.58	3736150.07	7.92E-04	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	8.12E-05	0.00E+00	0.00E+00	0.00E+00
1192	381027.58	3736150.07	7.77E-04	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	7.96E-05	0.00E+00	0.00E+00	0.00E+00
1193	381057.58	3736150.07	7.57E-04	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	7.75E-05	0.00E+00	0.00E+00	0.00E+00
1194	381087.58	3736150.07	7.31E-04	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	7.49E-05	0.00E+00	0.00E+00	0.00E+00
1195	381117.58	3736150.07	7.03E-04	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	7.20E-05	0.00E+00	0.00E+00	0.00E+00
1196	381147.58	3736150.07	6.73E-04	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	6.89E-05	0.00E+00	0.00E+00	0.00E+00
1197	381177.58	3736150.07	6.42E-04	0.00E+00	0.00E+00	0.00E+00	9.89E-05	0.00E+00	0.00E+00	0.00E+00	6.57E-05	0.00E+00	0.00E+00	0.00E+00
1198	381207.58	3736150.07	6.10E-04	0.00E+00	0.00E+00	0.00E+00	9.40E-05	0.00E+00	0.00E+00	0.00E+00	6.25E-05	0.00E+00	0.00E+00	0.00E+00
1199	380937.58	3736180.07	1.09E-03	0.00E+00	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00
1200	380967.58	3736180.07	1.07E-03	0.00E+00	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00
1201	380997.58	3736180.07	1.03E-03	0.00E+00	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00
1202	381027.58	3736180.07	9.94E-04	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00
1203	381057.58	3736180.07	9.47E-04	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	9.70E-05	0.00E+00	0.00E+00	0.00E+00
1204	381087.58	3736180.07	8.97E-04	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	9.19E-05	0.00E+00	0.00E+00	0.00E+00
1205	381117.58	3736180.07	8.46E-04	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	8.67E-05	0.00E+00	0.00E+00	0.00E+00
1206	381147.58	3736180.07	7.96E-04	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	8.15E-05	0.00E+00	0.00E+00	0.00E+00
1207	381177.58	3736180.07	7.47E-04	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	7.65E-05	0.00E+00	0.00E+00	0.00E+00
1208	381207.58	3736180.07	7.01E-04	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	7.18E-05	0.00E+00	0.00E+00	0.00E+00
1209	380937.58	3736210.07	1.52E-03	0.00E+00	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00
1210	380967.58	3736210.07	1.46E-03	0.00E+00	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00
1211	380997.58	3736210.07	1.37E-03	0.00E+00	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00
1212	381027.58	3736210.07	1.28E-03	0.00E+00	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00
1213	381057.58	3736210.07	1.18E-03	0.00E+00	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00
1214	381087.58	3736210.07	1.09E-03	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00
1215	381117.58	3736210.07	1.01E-03	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00
1216	381147.58	3736210.07	9.34E-04	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	9.57E-05	0.00E+00	0.00E+00	0.00E+00
1217	381177.58	3736210.07	8.63E-04	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	8.84E-05	0.00E+00	0.00E+00	0.00E+00
1218	381207.58	3736210.07	7.99E-04	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	8.18E-05	0.00E+00	0.00E+00	0.00E+00
1219	381237.58	3736210.07	7.40E-04	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	7.58E-05	0.00E+00	0.00E+00	0.00E+00
1220	380937.58	3736240.07	2.25E-03	0.00E+00	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	0.00E+00
1221	380967.58	3736240.07	2.04E-03	0.00E+00	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	0.00E+00
1222	380997.58	3736240.07	1.83E-03	0.00E+00	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	0.00E+00
1223	381027.58	3736240.07	1.63E-03	0.00E+00	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	0.00E+00
1224	381057.58	3736240.07	1.46E-03	0.00E+00	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00
1225	381087.58	3736240.07	1.32E-03	0.00E+00	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00
1226	381117.58	3736240.07	1.20E-03	0.00E+00	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00
1227	381147.58	3736240.07	1.09E-03	0.00E+00	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00
1228	381177.58	3736240.07	9.89E-04	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00
1229	381207.58	3736240.07	9.03E-04	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	9.25E-05	0.00E+00	0.00E+00	0.00E+00
1230	381237.58	3736240.07	8.27E-04	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	8.47E-05	0.00E+00	0.00E+00	0.00E+00
1231	380937.58	3736270.07	3.45E-03	0.00E+00	0.00E+00	0.00E+00	5.32E-04	0.00E+00	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00	0.00E+00
1232	380967.58	3736270.07	2.87E-03	0.00E+00	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00	0.00E+00	2.94E-04	0.00E+00	0.00E+00	0.00E+00
1233	380997.58	3736270.07	2.43E-03	0.00E+00	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	0.00E+00
1234	381027.58	3736270.07	2.08E-03	0.00E+00	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	0.00E+00
1235	381057.58	3736270.07	1.79E-03	0.00E+00	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	0.00E+00
1236	381087.58	3736270.07	1.58E-03	0.00E+00	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	0.00E+00
1237	381117.58	3736270.07	1.40E-03	0.00E+00	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00
1238	381147.58	3736270.07	1.25E-03	0.00E+00	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00
1239	381177.58	3736270.07	1.12E-03	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00
1240	381207.58	3736270.07	1.01E-03	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00
1241	381237.58	3736270.07	9.18E-04	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	9.40E-05	0.00E+00	0.00E+00	0.00E+00
1242	381267.58	3736270.07	8.35E-04	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	8.55E-05	0.00E+00	0.00E+00	0.00E+00
1243	380967.58	3736300.07	3.96E-03	0.00E+00	0.00E+00	0.00E+00	6.11E-04	0.00E+00	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00	0.00E+00
1244	380997.58	3736300.07	3.19E-03	0.00E+00	0.00E+00	0.00E+00	4.91E-04	0.00E+00	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00	0.00E+00
1245	381027.58	3736300.07	2.62E-03	0.00E+00	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00	0.00E+00
1246	381057.58	3736300.07	2.19E-03	0.00E+00	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	0.00E+00
1247	381087.58	3736300.07	1.87E-03	0.00E+00	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	0.00E+00
1248	381117.58	3736300.07	1.63E-03	0.00E+00	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	0.00E+00
1249	381147.58	3736300.07	1.43E-03	0.00E+00	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00
1250	381177.58	3736300.07	1.27E-03	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00
1251	381207.58	3736300.07	1.13E-03	0.00E+00	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00
1252	381237.58	3736300.07	1.01E-03	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00
1253	381267.58	3736300.07	9.11E-04	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	9.34E-05	0.00E+00	0.00E+00	0.00E+00
1254	380997.58	3736330.07	4.24E-03	0.00E+00	0.00E+00	0.00E+00	6.54E-04	0.00E+00	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	0.00E+00
1255	381027.58	3736330.07	3.34E-03	0.00E+00	0.00E+00	0.00E+00	5.15E-04	0.00E+00	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00	0.00E+00
1256	381057.58	3736330.07	2.69E-03	0.00E+00	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	0.00E+00

1257	381087.58	3736330.07	2.23E-03	0.00E+00	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	0.00E+00
1258	381117.58	3736330.07	1.90E-03	0.00E+00	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00
1259	381147.58	3736330.07	1.64E-03	0.00E+00	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	0.00E+00
1260	381177.58	3736330.07	1.43E-03	0.00E+00	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00
1261	381207.58	3736330.07	1.26E-03	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00
1262	381237.58	3736330.07	1.11E-03	0.00E+00	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00
1263	381267.58	3736330.07	9.92E-04	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00
1264	381297.58	3736330.07	8.89E-04	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	9.11E-05	0.00E+00	0.00E+00	0.00E+00
1265	380673.9	3735638.46	3.45E-05	0.00E+00	0.00E+00	0.00E+00	5.31E-06	0.00E+00	0.00E+00	0.00E+00	3.53E-06	0.00E+00	0.00E+00	0.00E+00
1266	380703.9	3735638.46	3.62E-05	0.00E+00	0.00E+00	0.00E+00	5.57E-06	0.00E+00	0.00E+00	0.00E+00	3.70E-06	0.00E+00	0.00E+00	0.00E+00
1267	380733.9	3735638.46	3.79E-05	0.00E+00	0.00E+00	0.00E+00	5.84E-06	0.00E+00	0.00E+00	0.00E+00	3.88E-06	0.00E+00	0.00E+00	0.00E+00
1268	380763.9	3735638.46	3.97E-05	0.00E+00	0.00E+00	0.00E+00	6.12E-06	0.00E+00	0.00E+00	0.00E+00	4.06E-06	0.00E+00	0.00E+00	0.00E+00
1269	380793.9	3735638.46	4.15E-05	0.00E+00	0.00E+00	0.00E+00	6.40E-06	0.00E+00	0.00E+00	0.00E+00	4.25E-06	0.00E+00	0.00E+00	0.00E+00
1270	380823.9	3735638.46	4.34E-05	0.00E+00	0.00E+00	0.00E+00	6.68E-06	0.00E+00	0.00E+00	0.00E+00	4.44E-06	0.00E+00	0.00E+00	0.00E+00
1271	380853.9	3735638.46	4.52E-05	0.00E+00	0.00E+00	0.00E+00	6.96E-06	0.00E+00	0.00E+00	0.00E+00	4.63E-06	0.00E+00	0.00E+00	0.00E+00
1272	380883.9	3735638.46	4.70E-05	0.00E+00	0.00E+00	0.00E+00	7.24E-06	0.00E+00	0.00E+00	0.00E+00	4.81E-06	0.00E+00	0.00E+00	0.00E+00
1273	380913.9	3735638.46	4.87E-05	0.00E+00	0.00E+00	0.00E+00	7.51E-06	0.00E+00	0.00E+00	0.00E+00	4.99E-06	0.00E+00	0.00E+00	0.00E+00
1274	380673.9	3735668.46	3.69E-05	0.00E+00	0.00E+00	0.00E+00	5.68E-06	0.00E+00	0.00E+00	0.00E+00	3.77E-06	0.00E+00	0.00E+00	0.00E+00
1275	380703.9	3735668.46	3.88E-05	0.00E+00	0.00E+00	0.00E+00	5.97E-06	0.00E+00	0.00E+00	0.00E+00	3.97E-06	0.00E+00	0.00E+00	0.00E+00
1276	380733.9	3735668.46	4.07E-05	0.00E+00	0.00E+00	0.00E+00	6.27E-06	0.00E+00	0.00E+00	0.00E+00	4.17E-06	0.00E+00	0.00E+00	0.00E+00
1277	380763.9	3735668.46	4.20E-05	0.00E+00	0.00E+00	0.00E+00	6.47E-06	0.00E+00	0.00E+00	0.00E+00	4.30E-06	0.00E+00	0.00E+00	0.00E+00
1278	380793.9	3735668.46	4.44E-05	0.00E+00	0.00E+00	0.00E+00	6.84E-06	0.00E+00	0.00E+00	0.00E+00	4.54E-06	0.00E+00	0.00E+00	0.00E+00
1279	380823.9	3735668.46	4.69E-05	0.00E+00	0.00E+00	0.00E+00	7.23E-06	0.00E+00	0.00E+00	0.00E+00	4.80E-06	0.00E+00	0.00E+00	0.00E+00
1280	380853.9	3735668.46	4.89E-05	0.00E+00	0.00E+00	0.00E+00	7.54E-06	0.00E+00	0.00E+00	0.00E+00	5.01E-06	0.00E+00	0.00E+00	0.00E+00
1281	380883.9	3735668.46	5.09E-05	0.00E+00	0.00E+00	0.00E+00	7.85E-06	0.00E+00	0.00E+00	0.00E+00	5.22E-06	0.00E+00	0.00E+00	0.00E+00
1282	380913.9	3735668.46	5.29E-05	0.00E+00	0.00E+00	0.00E+00	8.15E-06	0.00E+00	0.00E+00	0.00E+00	5.42E-06	0.00E+00	0.00E+00	0.00E+00
1283	380733.9	3735698.46	4.39E-05	0.00E+00	0.00E+00	0.00E+00	6.77E-06	0.00E+00	0.00E+00	0.00E+00	4.50E-06	0.00E+00	0.00E+00	0.00E+00
1284	380763.9	3735698.46	4.57E-05	0.00E+00	0.00E+00	0.00E+00	7.05E-06	0.00E+00	0.00E+00	0.00E+00	4.69E-06	0.00E+00	0.00E+00	0.00E+00
1285	380793.9	3735698.46	4.82E-05	0.00E+00	0.00E+00	0.00E+00	7.43E-06	0.00E+00	0.00E+00	0.00E+00	4.94E-06	0.00E+00	0.00E+00	0.00E+00
1286	380823.9	3735698.46	5.10E-05	0.00E+00	0.00E+00	0.00E+00	7.86E-06	0.00E+00	0.00E+00	0.00E+00	5.22E-06	0.00E+00	0.00E+00	0.00E+00
1287	380853.9	3735698.46	5.33E-05	0.00E+00	0.00E+00	0.00E+00	8.21E-06	0.00E+00	0.00E+00	0.00E+00	5.46E-06	0.00E+00	0.00E+00	0.00E+00
1288	380883.9	3735698.46	5.56E-05	0.00E+00	0.00E+00	0.00E+00	8.56E-06	0.00E+00	0.00E+00	0.00E+00	5.69E-06	0.00E+00	0.00E+00	0.00E+00
1289	380913.9	3735698.46	5.78E-05	0.00E+00	0.00E+00	0.00E+00	8.90E-06	0.00E+00	0.00E+00	0.00E+00	5.92E-06	0.00E+00	0.00E+00	0.00E+00
1290	380673.9	3735728.46	4.27E-05	0.00E+00	0.00E+00	0.00E+00	6.58E-06	0.00E+00	0.00E+00	0.00E+00	4.38E-06	0.00E+00	0.00E+00	0.00E+00
1291	380703.9	3735728.46	4.52E-05	0.00E+00	0.00E+00	0.00E+00	6.96E-06	0.00E+00	0.00E+00	0.00E+00	4.63E-06	0.00E+00	0.00E+00	0.00E+00
1292	380733.9	3735728.46	4.77E-05	0.00E+00	0.00E+00	0.00E+00	7.35E-06	0.00E+00	0.00E+00	0.00E+00	4.88E-06	0.00E+00	0.00E+00	0.00E+00
1293	380853.9	3735728.46	5.84E-05	0.00E+00	0.00E+00	0.00E+00	9.00E-06	0.00E+00	0.00E+00	0.00E+00	5.98E-06	0.00E+00	0.00E+00	0.00E+00
1294	380883.9	3735728.46	6.09E-05	0.00E+00	0.00E+00	0.00E+00	9.39E-06	0.00E+00	0.00E+00	0.00E+00	6.24E-06	0.00E+00	0.00E+00	0.00E+00
1295	380913.9	3735728.46	6.34E-05	0.00E+00	0.00E+00	0.00E+00	9.78E-06	0.00E+00	0.00E+00	0.00E+00	6.50E-06	0.00E+00	0.00E+00	0.00E+00
1296	380583.9	3735758.46	3.89E-05	0.00E+00	0.00E+00	0.00E+00	6.00E-06	0.00E+00	0.00E+00	0.00E+00	3.99E-06	0.00E+00	0.00E+00	0.00E+00
1297	380613.9	3735758.46	4.12E-05	0.00E+00	0.00E+00	0.00E+00	6.35E-06	0.00E+00	0.00E+00	0.00E+00	4.22E-06	0.00E+00	0.00E+00	0.00E+00
1298	380643.9	3735758.46	4.37E-05	0.00E+00	0.00E+00	0.00E+00	6.73E-06	0.00E+00	0.00E+00	0.00E+00	4.47E-06	0.00E+00	0.00E+00	0.00E+00
1299	380673.9	3735758.46	4.63E-05	0.00E+00	0.00E+00	0.00E+00	7.14E-06	0.00E+00	0.00E+00	0.00E+00	4.74E-06	0.00E+00	0.00E+00	0.00E+00
1300	380703.9	3735758.46	4.91E-05	0.00E+00	0.00E+00	0.00E+00	7.57E-06	0.00E+00	0.00E+00	0.00E+00	5.03E-06	0.00E+00	0.00E+00	0.00E+00
1301	380733.9	3735758.46	5.21E-05	0.00E+00	0.00E+00	0.00E+00	8.02E-06	0.00E+00	0.00E+00	0.00E+00	5.33E-06	0.00E+00	0.00E+00	0.00E+00
1302	380763.9	3735758.46	5.51E-05	0.00E+00	0.00E+00	0.00E+00	8.49E-06	0.00E+00	0.00E+00	0.00E+00	5.64E-06	0.00E+00	0.00E+00	0.00E+00
1303	380793.9	3735758.46	5.81E-05	0.00E+00	0.00E+00	0.00E+00	8.96E-06	0.00E+00	0.00E+00	0.00E+00	5.96E-06	0.00E+00	0.00E+00	0.00E+00
1304	380613.9	3735788.46	4.46E-05	0.00E+00	0.00E+00	0.00E+00	6.88E-06	0.00E+00	0.00E+00	0.00E+00	4.57E-06	0.00E+00	0.00E+00	0.00E+00
1305	380643.9	3735788.46	4.74E-05	0.00E+00	0.00E+00	0.00E+00	7.31E-06	0.00E+00	0.00E+00	0.00E+00	4.86E-06	0.00E+00	0.00E+00	0.00E+00
1306	380673.9	3735788.46	5.05E-05	0.00E+00	0.00E+00	0.00E+00	7.78E-06	0.00E+00	0.00E+00	0.00E+00	5.17E-06	0.00E+00	0.00E+00	0.00E+00
1307	380703.9	3735788.46	5.38E-05	0.00E+00	0.00E+00	0.00E+00	8.28E-06	0.00E+00	0.00E+00	0.00E+00	5.51E-06	0.00E+00	0.00E+00	0.00E+00
1308	380733.9	3735788.46	5.72E-05	0.00E+00	0.00E+00	0.00E+00	8.81E-06	0.00E+00	0.00E+00	0.00E+00	5.86E-06	0.00E+00	0.00E+00	0.00E+00
1309	380763.9	3735788.46	6.07E-05	0.00E+00	0.00E+00	0.00E+00	9.35E-06	0.00E+00	0.00E+00	0.00E+00	6.22E-06	0.00E+00	0.00E+00	0.00E+00
1310	380793.9	3735788.46	6.42E-05	0.00E+00	0.00E+00	0.00E+00	9.90E-06	0.00E+00	0.00E+00	0.00E+00	6.58E-06	0.00E+00	0.00E+00	0.00E+00
1311	380823.9	3735788.46	6.78E-05	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	6.94E-06	0.00E+00	0.00E+00	0.00E+00
1312	380853.9	3735788.46	7.13E-05	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	7.30E-06	0.00E+00	0.00E+00	0.00E+00
1313	380883.9	3735788.46	7.47E-05	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	7.65E-06	0.00E+00	0.00E+00	0.00E+00
1314	380913.9	3735788.46	7.81E-05	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	8.00E-06	0.00E+00	0.00E+00	0.00E+00
1315	380643.9	3735818.46	5.18E-05	0.00E+00	0.00E+00	0.00E+00	7.99E-06	0.00E+00	0.00E+00	0.00E+00	5.31E-06	0.00E+00	0.00E+00	0.00E+00
1316	380673.9	3735818.46	5.54E-05	0.00E+00	0.00E+00	0.00E+00	8.53E-06	0.00E+00	0.00E+00	0.00E+00	5.67E-06	0.00E+00	0.00E+00	0.00E+00
1317	380703.9	3735818.46	5.92E-05	0.00E+00	0.00E+00	0.00E+00	9.12E-06	0.00E+00	0.00E+00	0.00E+00	6.06E-06	0.00E+00	0.00E+00	0.00E+00
1318	380733.9	3735818.46	6.32E-05	0.00E+00	0.00E+00	0.00E+00	9.74E-06	0.00E+00	0.00E+00	0.00E+00	6.47E-06	0.00E+00	0.00E+00	0.00E+00
1319	380763.9	3735818.46	6.73E-05	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	6.90E-06	0.00E+00	0.00E+00	0.00E+00
1320	380793.9	3735818.46	7.16E-05	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	7.33E-06	0.00E+00	0.00E+00	0.00E+00
1321	380823.9	3735818.46	7.57E-05	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	7.75E-06	0.00E+00	0.00E+00	0.00E+00
1322	380853.9	3735818.46	7.97E-05	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	8.17E-06	0.00E+00	0.00E+00	0.00E+00
1323	380883.9	3735818.46	8.37E-05	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	8.57E-06	0.00E+00	0.00E+00	0.00E+00
1324	380913.9	3735818.46	8.76E-05	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	8.97E-06	0.00E+00	0.00E+00	0.00E+00
1325	380733.9	3735848.46	7.03E-05	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	7.21E-06	0.00E+00	0.00E+00	0.00E+00
1326	380763.9	3735848.46	7.53E-05	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	7.71E-06	0.00E+00	0.00E+00	0.00E+00
1327	380793.9	3735848.46	8.03E-05	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	8.22E-06	0.00E+00	0.00E+00	0.00E+00
1328	380823.9	3735848.46	8.52E-05	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	8.73E-06	0.00E+00	0.00E+00	0.00E+00
1329	380853.9	3735848.46	9.00E-05	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	9.22E-06	0.00E+00	0.00E+00	0.00E+00
1330	380883.9	3735848.46	9.47E-05	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	9.70E-06	0.00E+00	0.00E+00	0.00E+00
1331	380913.9	3735848.46	9.93E-05	0.00E+00	0.00E+00	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00
1332	380793.9	3735878.46	9.09E-05	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	9.31E-06	0.00E+00	0.00E+00	0.00E+00
1333	380823.9	3735878.46	9.68E-05	0.00E+00	0.00E+00	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	9.91E-06	0.00E+00	0.00E+00	0.00E+00
1334	380853.9	3735878.46	1.03E-04	0.00E+00	0.00E+00	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00
1335	380883.9	3735878.46	1.08E-04	0.00E+00	0.00E+00	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00
1336	380913.9	3735878.46	1.14E-04	0.00E+00	0.00E+00	0.00E+00	1.75E-05	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00
1337	380853.9	3735908.46	1.18E-04	0.00E+00	0.00E+00	0.00E+00	1.82E-05	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00
1338	380883.9	3735908.46	1.25E-04	0.00E+00	0.00E+00	0.00E+00	1.93E-05	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00
1339	380913.9	3735908.46	1.32E-04	0.00E+00	0.00E+00	0.00E+00	2.03E-05	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00
1340	380913.9	3735938.46	1.55E-04	0.00E+00	0.00E+00	0.00E+00	2.39E-05	0.00E+00	0.00E+00	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00
1341	380583.9	3735998.46	8.58E-05	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	8.78E-06	0.00E+00	0.00E+00	0.00E+00
1342	380583.9	3736028.46	9.83E-05	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00
1343	380613.9	3736028.46	1.10E-04	0.00E+00	0.00E+00	0.00E+00	1.69E-05	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00
1344	380583.9	3736058.46	1.14E-04	0.00E+00	0.00E+00	0.00E+00	1.76E-05	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00
1345	380613.9	3736058.46	1.29E-04	0.00E+00	0.00E+00	0.00E+00	2.00E-05	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00
1346	380643.9	3736058.46	1.48E-04	0.00E+00	0.00E+00	0.00E+00	2.28E-05	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00

1347	380583.9	3736088.46	1.35E-04	0.00E+00	0.00E+00	0.00E+00	2.08E-05	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00
1348	380613.9	3736088.46	1.56E-04	0.00E+00	0.00E+00	0.00E+00	2.40E-05	0.00E+00	0.00E+00	0.00E+00	1.60E-05	0.00E+00	0.00E+00	0.00E+00
1349	380643.9	3736088.46	1.83E-04	0.00E+00	0.00E+00	0.00E+00	2.83E-05	0.00E+00	0.00E+00	0.00E+00	1.88E-05	0.00E+00	0.00E+00	0.00E+00
1350	380673.9	3736088.46	2.17E-04	0.00E+00	0.00E+00	0.00E+00	3.35E-05	0.00E+00	0.00E+00	0.00E+00	2.22E-05	0.00E+00	0.00E+00	0.00E+00
1351	380733.9	3736088.46	2.92E-04	0.00E+00	0.00E+00	0.00E+00	4.50E-05	0.00E+00	0.00E+00	0.00E+00	2.99E-05	0.00E+00	0.00E+00	0.00E+00
1352	380763.9	3736088.46	3.29E-04	0.00E+00	0.00E+00	0.00E+00	5.07E-05	0.00E+00	0.00E+00	0.00E+00	3.37E-05	0.00E+00	0.00E+00	0.00E+00
1353	380793.9	3736088.46	3.65E-04	0.00E+00	0.00E+00	0.00E+00	5.62E-05	0.00E+00	0.00E+00	0.00E+00	3.74E-05	0.00E+00	0.00E+00	0.00E+00
1354	380823.9	3736088.46	3.97E-04	0.00E+00	0.00E+00	0.00E+00	6.12E-05	0.00E+00	0.00E+00	0.00E+00	4.07E-05	0.00E+00	0.00E+00	0.00E+00
1355	380853.9	3736088.46	4.24E-04	0.00E+00	0.00E+00	0.00E+00	6.53E-05	0.00E+00	0.00E+00	0.00E+00	4.34E-05	0.00E+00	0.00E+00	0.00E+00
1356	380613.9	3736118.46	1.93E-04	0.00E+00	0.00E+00	0.00E+00	2.97E-05	0.00E+00	0.00E+00	0.00E+00	1.98E-05	0.00E+00	0.00E+00	0.00E+00
1357	380643.9	3736118.46	2.38E-04	0.00E+00	0.00E+00	0.00E+00	3.66E-05	0.00E+00	0.00E+00	0.00E+00	2.43E-05	0.00E+00	0.00E+00	0.00E+00
1358	380673.9	3736118.46	2.96E-04	0.00E+00	0.00E+00	0.00E+00	4.56E-05	0.00E+00	0.00E+00	0.00E+00	3.03E-05	0.00E+00	0.00E+00	0.00E+00
1359	380763.9	3736118.46	4.74E-04	0.00E+00	0.00E+00	0.00E+00	7.31E-05	0.00E+00	0.00E+00	0.00E+00	4.86E-05	0.00E+00	0.00E+00	0.00E+00
1360	380793.9	3736118.46	5.19E-04	0.00E+00	0.00E+00	0.00E+00	7.99E-05	0.00E+00	0.00E+00	0.00E+00	5.31E-05	0.00E+00	0.00E+00	0.00E+00
1361	380823.9	3736118.46	5.52E-04	0.00E+00	0.00E+00	0.00E+00	8.51E-05	0.00E+00	0.00E+00	0.00E+00	5.66E-05	0.00E+00	0.00E+00	0.00E+00
1362	380853.9	3736118.46	5.77E-04	0.00E+00	0.00E+00	0.00E+00	8.89E-05	0.00E+00	0.00E+00	0.00E+00	5.91E-05	0.00E+00	0.00E+00	0.00E+00
1363	380883.9	3736118.46	5.93E-04	0.00E+00	0.00E+00	0.00E+00	9.14E-05	0.00E+00	0.00E+00	0.00E+00	6.07E-05	0.00E+00	0.00E+00	0.00E+00
1364	380913.9	3736118.46	6.02E-04	0.00E+00	0.00E+00	0.00E+00	9.28E-05	0.00E+00	0.00E+00	0.00E+00	6.17E-05	0.00E+00	0.00E+00	0.00E+00
1365	380643.9	3736148.46	3.31E-04	0.00E+00	0.00E+00	0.00E+00	5.10E-05	0.00E+00	0.00E+00	0.00E+00	3.39E-05	0.00E+00	0.00E+00	0.00E+00
1366	380673.9	3736148.46	4.58E-04	0.00E+00	0.00E+00	0.00E+00	7.06E-05	0.00E+00	0.00E+00	0.00E+00	4.69E-05	0.00E+00	0.00E+00	0.00E+00
1367	380703.9	3736148.46	5.88E-04	0.00E+00	0.00E+00	0.00E+00	9.06E-05	0.00E+00	0.00E+00	0.00E+00	6.02E-05	0.00E+00	0.00E+00	0.00E+00
1368	380793.9	3736148.46	7.76E-04	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	7.95E-05	0.00E+00	0.00E+00	0.00E+00
1369	380823.9	3736148.46	7.91E-04	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	8.11E-05	0.00E+00	0.00E+00	0.00E+00
1370	380853.9	3736148.46	7.99E-04	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	8.18E-05	0.00E+00	0.00E+00	0.00E+00
1371	380883.9	3736148.46	8.01E-04	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	8.21E-05	0.00E+00	0.00E+00	0.00E+00
1372	380913.9	3736148.46	7.99E-04	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	8.19E-05	0.00E+00	0.00E+00	0.00E+00
1373	380703.9	3736178.46	1.33E-03	0.00E+00	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00
1374	380733.9	3736178.46	1.40E-03	0.00E+00	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00
1375	380823.9	3736178.46	1.15E-03	0.00E+00	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00
1376	380853.9	3736178.46	1.12E-03	0.00E+00	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00
1377	380883.9	3736178.46	1.10E-03	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00
1378	380913.9	3736178.46	1.08E-03	0.00E+00	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00
1379	380733.9	3736208.46	3.17E-03	0.00E+00	0.00E+00	0.00E+00	4.89E-04	0.00E+00	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00	0.00E+00
1380	380763.9	3736208.46	2.35E-03	0.00E+00	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	0.00E+00
1381	380853.9	3736208.46	1.60E-03	0.00E+00	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00
1382	380883.9	3736208.46	1.55E-03	0.00E+00	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00
1383	380913.9	3736208.46	1.51E-03	0.00E+00	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00
1384	380583.9	3736238.46	2.64E-04	0.00E+00	0.00E+00	0.00E+00	4.07E-05	0.00E+00	0.00E+00	0.00E+00	2.70E-05	0.00E+00	0.00E+00	0.00E+00
1385	380763.9	3736238.46	4.44E-03	0.00E+00	0.00E+00	0.00E+00	6.85E-04	0.00E+00	0.00E+00	0.00E+00	4.55E-04	0.00E+00	0.00E+00	0.00E+00
1386	380793.9	3736238.46	2.95E-03	0.00E+00	0.00E+00	0.00E+00	4.55E-04	0.00E+00	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00	0.00E+00
1387	380883.9	3736238.46	2.38E-03	0.00E+00	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	0.00E+00
1388	380913.9	3736238.46	2.32E-03	0.00E+00	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	0.00E+00
1389	380370	3735775.82	2.91E-05	0.00E+00	0.00E+00	0.00E+00	4.49E-06	0.00E+00	0.00E+00	0.00E+00	2.98E-06	0.00E+00	0.00E+00	0.00E+00
1390	380377.99	3735692.75	2.51E-05	0.00E+00	0.00E+00	0.00E+00	3.87E-06	0.00E+00	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00
1391	380376.39	3735651.22	2.34E-05	0.00E+00	0.00E+00	0.00E+00	3.60E-06	0.00E+00	0.00E+00	0.00E+00	2.39E-06	0.00E+00	0.00E+00	0.00E+00
1392	380346.04	3735641.64	2.23E-05	0.00E+00	0.00E+00	0.00E+00	3.43E-06	0.00E+00	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00
1393	380341.25	3735686.37	2.39E-05	0.00E+00	0.00E+00	0.00E+00	3.68E-06	0.00E+00	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00
1394	380339.65	3735743.87	2.64E-05	0.00E+00	0.00E+00	0.00E+00	4.07E-06	0.00E+00	0.00E+00	0.00E+00	2.70E-06	0.00E+00	0.00E+00	0.00E+00
1395	380334.86	3735783.81	2.83E-05	0.00E+00	0.00E+00	0.00E+00	4.36E-06	0.00E+00	0.00E+00	0.00E+00	2.90E-06	0.00E+00	0.00E+00	0.00E+00
1396	380342.85	3735842.91	3.23E-05	0.00E+00	0.00E+00	0.00E+00	4.97E-06	0.00E+00	0.00E+00	0.00E+00	3.31E-06	0.00E+00	0.00E+00	0.00E+00
1397	380339.65	3735908.41	3.70E-05	0.00E+00	0.00E+00	0.00E+00	5.71E-06	0.00E+00	0.00E+00	0.00E+00	3.79E-06	0.00E+00	0.00E+00	0.00E+00
1398	380291.38	3735847.16	3.02E-05	0.00E+00	0.00E+00	0.00E+00	4.66E-06	0.00E+00	0.00E+00	0.00E+00	3.09E-06	0.00E+00	0.00E+00	0.00E+00
1399	380266.94	3735845.8	2.91E-05	0.00E+00	0.00E+00	0.00E+00	4.49E-06	0.00E+00	0.00E+00	0.00E+00	2.98E-06	0.00E+00	0.00E+00	0.00E+00
1400	380239.78	3735845.8	2.80E-05	0.00E+00	0.00E+00	0.00E+00	4.32E-06	0.00E+00	0.00E+00	0.00E+00	2.87E-06	0.00E+00	0.00E+00	0.00E+00
1401	380215.34	3735844.45	2.71E-05	0.00E+00	0.00E+00	0.00E+00	4.17E-06	0.00E+00	0.00E+00	0.00E+00	2.77E-06	0.00E+00	0.00E+00	0.00E+00
1402	380212.62	3735791.49	2.47E-05	0.00E+00	0.00E+00	0.00E+00	3.81E-06	0.00E+00	0.00E+00	0.00E+00	2.53E-06	0.00E+00	0.00E+00	0.00E+00
1403	380242.5	3735787.42	2.55E-05	0.00E+00	0.00E+00	0.00E+00	3.92E-06	0.00E+00	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00
1404	380271.01	3735787.42	2.63E-05	0.00E+00	0.00E+00	0.00E+00	4.06E-06	0.00E+00	0.00E+00	0.00E+00	2.70E-06	0.00E+00	0.00E+00	0.00E+00
1405	380288.66	3735784.7	2.68E-05	0.00E+00	0.00E+00	0.00E+00	4.13E-06	0.00E+00	0.00E+00	0.00E+00	2.74E-06	0.00E+00	0.00E+00	0.00E+00
1406	380292.74	3735741.25	2.49E-05	0.00E+00	0.00E+00	0.00E+00	3.84E-06	0.00E+00	0.00E+00	0.00E+00	2.55E-06	0.00E+00	0.00E+00	0.00E+00
1407	380275.08	3735741.25	2.44E-05	0.00E+00	0.00E+00	0.00E+00	3.76E-06	0.00E+00	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00
1408	380253.36	3735741.25	2.39E-05	0.00E+00	0.00E+00	0.00E+00	3.68E-06	0.00E+00	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00
1409	380232.99	3735741.25	2.33E-05	0.00E+00	0.00E+00	0.00E+00	3.60E-06	0.00E+00	0.00E+00	0.00E+00	2.39E-06	0.00E+00	0.00E+00	0.00E+00
1410	380212.62	3735742.61	2.29E-05	0.00E+00	0.00E+00	0.00E+00	3.53E-06	0.00E+00	0.00E+00	0.00E+00	2.34E-06	0.00E+00	0.00E+00	0.00E+00
1411	380285.95	3735692.36	2.28E-05	0.00E+00	0.00E+00	0.00E+00	3.51E-06	0.00E+00	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00
1412	380261.51	3735684.22	2.20E-05	0.00E+00	0.00E+00	0.00E+00	3.38E-06	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00
1413	380230.27	3735686.93	2.14E-05	0.00E+00	0.00E+00	0.00E+00	3.30E-06	0.00E+00	0.00E+00	0.00E+00	2.19E-06	0.00E+00	0.00E+00	0.00E+00
1414	380190.9	3735685.57	2.06E-05	0.00E+00	0.00E+00	0.00E+00	3.17E-06	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00
1415	380273.73	3735642.12	2.08E-05	0.00E+00	0.00E+00	0.00E+00	3.21E-06	0.00E+00	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00
1416	380241.14	3735644.84	2.03E-05	0.00E+00	0.00E+00	0.00E+00	3.13E-06	0.00E+00	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00
1417	380211.26	3735646.2	1.98E-05	0.00E+00	0.00E+00	0.00E+00	3.06E-06	0.00E+00	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00
1418	380188.18	3735642.12	1.93E-05	0.00E+00	0.00E+00	0.00E+00	2.98E-06	0.00E+00	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00
1419	380355.2	3735583.73	2.06E-05	0.00E+00	0.00E+00	0.00E+00	3.17E-06	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00
1420	380340.26	3735566.08	1.98E-05	0.00E+00	0.00E+00	0.00E+00	3.05E-06	0.00E+00	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00
1421	380332.11	3735544.36	1.91E-05	0.00E+00	0.00E+00	0.00E+00	2.94E-06	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00
1422	380292.74	3735529.42	1.81E-05	0.00E+00	0.00E+00	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00
1423	380241.14	3735579.66	1.86E-05	0.00E+00	0.00E+00	0.00E+00	2.86E-06	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00
1424	380215.34	3735579.66	1.82E-05	0.00E+00	0.00E+00	0.00E+00	2.81E-06	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00
1425	380185.46	3735576.94	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
1426	380156.95	3735579.66	1.73E-05	0.00E+00	0.00E+00	0.00E+00	2.67E-06	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00
1427	380226.2	3735536.21	1.72E-05	0.00E+00	0.00E+00	0.00E+00	2.65E-06	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00
1428	380200.4	3735536.21	1.68E-05	0.00E+00	0.00E+00	0.00E+00	2.60E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00
1429	380166.45	3735538.92	1.65E-05	0.00E+00	0.00E+00	0.00E+00	2.55E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00
1430	380146.09	3735538.92	1.63E-05	0.00E+00	0.00E+00	0.00E+00	2.52E-06	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00
1431	380552.48	3735507.98	2.30E-05	0.00E+00	0.00E+00	0.00E+00	3.54E-06	0.00E+00	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00
1432	380702.53	3735607.24	3.37E-05	0.00E+00	0.00E+00	0.00E+00	5.19E-06	0.00E+00	0.00E+00	0.00E+00	3.45E-06	0.00E+00	0.00E+00	0.00E+00
1433	380704.84	3735580.7	3.20E-05	0.00E+00	0.00E+00	0.00E+00	4.94E-06	0.00E+00	0.00E+00	0.00E+00	3.28E-06	0.00E+00	0.00E+00	0.00E+00
1434	380705.99	3735554.15	3.04E-05	0.00E+00	0.00E+00	0.00E+00	4.69E-06	0.00E+00	0.00E+00	0.00E+00	3.12E-06	0.00E+00	0.00E+00	0.00E+00
1435	380714.07	3735521.83	2.90E-05	0.00E+00	0.00E+00	0.00E+00	4.47E-06	0.00E+00	0.00E+00	0.00E+00	2.97E-06	0.00E+00	0.00E+00	0.00E+00
1436	380731.39	3735614.17	3.57E-05	0.00E+00	0.00E+00	0.00E+00	5.51E-06	0.00E+00	0.00E+00	0.00E+00	3.66E-06	0.00E+00	0.00E+00	0.00E+00

1437	380732.54	3735600.32	3.47E-05	0.00E+00	0.00E+00	0.00E+00	5.35E-06	0.00E+00	0.00E+00	0.00E+00	3.56E-06	0.00E+00	0.00E+00	0.00E+00
1438	380733.7	3735577.23	3.31E-05	0.00E+00	0.00E+00	0.00E+00	5.11E-06	0.00E+00	0.00E+00	0.00E+00	3.39E-06	0.00E+00	0.00E+00	0.00E+00
1439	380734.85	3735552.99	3.16E-05	0.00E+00	0.00E+00	0.00E+00	4.87E-06	0.00E+00	0.00E+00	0.00E+00	3.24E-06	0.00E+00	0.00E+00	0.00E+00
1440	380739.47	3735522.98	3.00E-05	0.00E+00	0.00E+00	0.00E+00	4.63E-06	0.00E+00	0.00E+00	0.00E+00	3.08E-06	0.00E+00	0.00E+00	0.00E+00
1441	380763.71	3735614.17	3.75E-05	0.00E+00	0.00E+00	0.00E+00	5.78E-06	0.00E+00	0.00E+00	0.00E+00	3.84E-06	0.00E+00	0.00E+00	0.00E+00
1442	380762.55	3735594.55	3.58E-05	0.00E+00	0.00E+00	0.00E+00	5.52E-06	0.00E+00	0.00E+00	0.00E+00	3.67E-06	0.00E+00	0.00E+00	0.00E+00
1443	380760.24	3735566.85	3.37E-05	0.00E+00	0.00E+00	0.00E+00	5.19E-06	0.00E+00	0.00E+00	0.00E+00	3.45E-06	0.00E+00	0.00E+00	0.00E+00
1444	380762.55	3735514.9	3.05E-05	0.00E+00	0.00E+00	0.00E+00	4.69E-06	0.00E+00	0.00E+00	0.00E+00	3.12E-06	0.00E+00	0.00E+00	0.00E+00
1445	380762.55	3735490.67	2.91E-05	0.00E+00	0.00E+00	0.00E+00	4.49E-06	0.00E+00	0.00E+00	0.00E+00	2.98E-06	0.00E+00	0.00E+00	0.00E+00
1446	380794.87	3735611.86	3.90E-05	0.00E+00	0.00E+00	0.00E+00	6.01E-06	0.00E+00	0.00E+00	0.00E+00	4.00E-06	0.00E+00	0.00E+00	0.00E+00
1447	380794.87	3735583	3.65E-05	0.00E+00	0.00E+00	0.00E+00	5.63E-06	0.00E+00	0.00E+00	0.00E+00	3.74E-06	0.00E+00	0.00E+00	0.00E+00
1448	380790.25	3735558.77	3.45E-05	0.00E+00	0.00E+00	0.00E+00	5.31E-06	0.00E+00	0.00E+00	0.00E+00	3.53E-06	0.00E+00	0.00E+00	0.00E+00
1449	380798.33	3735532.22	3.30E-05	0.00E+00	0.00E+00	0.00E+00	5.08E-06	0.00E+00	0.00E+00	0.00E+00	3.38E-06	0.00E+00	0.00E+00	0.00E+00
1450	380793.72	3735509.13	3.13E-05	0.00E+00	0.00E+00	0.00E+00	4.83E-06	0.00E+00	0.00E+00	0.00E+00	3.21E-06	0.00E+00	0.00E+00	0.00E+00
1451	380793.72	3735484.89	2.99E-05	0.00E+00	0.00E+00	0.00E+00	4.61E-06	0.00E+00	0.00E+00	0.00E+00	3.06E-06	0.00E+00	0.00E+00	0.00E+00
1452	380828.34	3735615.32	4.12E-05	0.00E+00	0.00E+00	0.00E+00	6.35E-06	0.00E+00	0.00E+00	0.00E+00	4.22E-06	0.00E+00	0.00E+00	0.00E+00
1453	380854.89	3735613.01	4.24E-05	0.00E+00	0.00E+00	0.00E+00	6.54E-06	0.00E+00	0.00E+00	0.00E+00	4.34E-06	0.00E+00	0.00E+00	0.00E+00
1454	380886.06	3735613.01	4.41E-05	0.00E+00	0.00E+00	0.00E+00	6.80E-06	0.00E+00	0.00E+00	0.00E+00	4.52E-06	0.00E+00	0.00E+00	0.00E+00
1455	380910.3	3735614.17	4.55E-05	0.00E+00	0.00E+00	0.00E+00	7.02E-06	0.00E+00	0.00E+00	0.00E+00	4.66E-06	0.00E+00	0.00E+00	0.00E+00
1456	380831.81	3735574.92	3.77E-05	0.00E+00	0.00E+00	0.00E+00	5.80E-06	0.00E+00	0.00E+00	0.00E+00	3.86E-06	0.00E+00	0.00E+00	0.00E+00
1457	380857.2	3735576.08	3.90E-05	0.00E+00	0.00E+00	0.00E+00	6.01E-06	0.00E+00	0.00E+00	0.00E+00	3.99E-06	0.00E+00	0.00E+00	0.00E+00
1458	380888.36	3735580.7	4.09E-05	0.00E+00	0.00E+00	0.00E+00	6.30E-06	0.00E+00	0.00E+00	0.00E+00	4.19E-06	0.00E+00	0.00E+00	0.00E+00
1459	380909.14	3735584.16	4.22E-05	0.00E+00	0.00E+00	0.00E+00	6.51E-06	0.00E+00	0.00E+00	0.00E+00	4.33E-06	0.00E+00	0.00E+00	0.00E+00
1460	380829.5	3735544.91	3.52E-05	0.00E+00	0.00E+00	0.00E+00	5.42E-06	0.00E+00	0.00E+00	0.00E+00	3.60E-06	0.00E+00	0.00E+00	0.00E+00
1461	380857.2	3735546.07	3.65E-05	0.00E+00	0.00E+00	0.00E+00	5.62E-06	0.00E+00	0.00E+00	0.00E+00	3.73E-06	0.00E+00	0.00E+00	0.00E+00
1462	380884.9	3735540.3	3.72E-05	0.00E+00	0.00E+00	0.00E+00	5.73E-06	0.00E+00	0.00E+00	0.00E+00	3.81E-06	0.00E+00	0.00E+00	0.00E+00
1463	380917.22	3735547.22	3.91E-05	0.00E+00	0.00E+00	0.00E+00	6.03E-06	0.00E+00	0.00E+00	0.00E+00	4.01E-06	0.00E+00	0.00E+00	0.00E+00
1464	380827.19	3735507.98	3.25E-05	0.00E+00	0.00E+00	0.00E+00	5.01E-06	0.00E+00	0.00E+00	0.00E+00	3.33E-06	0.00E+00	0.00E+00	0.00E+00
1465	380864.13	3735512.6	3.40E-05	0.00E+00	0.00E+00	0.00E+00	5.24E-06	0.00E+00	0.00E+00	0.00E+00	3.48E-06	0.00E+00	0.00E+00	0.00E+00
1466	380890.67	3735518.37	3.57E-05	0.00E+00	0.00E+00	0.00E+00	5.50E-06	0.00E+00	0.00E+00	0.00E+00	3.66E-06	0.00E+00	0.00E+00	0.00E+00
1467	380920.68	3735511.44	3.63E-05	0.00E+00	0.00E+00	0.00E+00	5.60E-06	0.00E+00	0.00E+00	0.00E+00	3.72E-06	0.00E+00	0.00E+00	0.00E+00
1468	380909.14	3735489.51	3.43E-05	0.00E+00	0.00E+00	0.00E+00	5.29E-06	0.00E+00	0.00E+00	0.00E+00	3.51E-06	0.00E+00	0.00E+00	0.00E+00
1469	380873.36	3735481.43	3.25E-05	0.00E+00	0.00E+00	0.00E+00	5.01E-06	0.00E+00	0.00E+00	0.00E+00	3.33E-06	0.00E+00	0.00E+00	0.00E+00
1470	380830.65	3735479.12	3.09E-05	0.00E+00	0.00E+00	0.00E+00	4.76E-06	0.00E+00	0.00E+00	0.00E+00	3.16E-06	0.00E+00	0.00E+00	0.00E+00
1471	380479.14	3735509.41	2.11E-05	0.00E+00	0.00E+00	0.00E+00	3.25E-06	0.00E+00	0.00E+00	0.00E+00	2.16E-06	0.00E+00	0.00E+00	0.00E+00
1472	380492.49	3735486.89	2.08E-05	0.00E+00	0.00E+00	0.00E+00	3.20E-06	0.00E+00	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00
1473	380521.67	3735468.55	2.09E-05	0.00E+00	0.00E+00	0.00E+00	3.22E-06	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00
1474	380548.36	3735453.54	2.06E-05	0.00E+00	0.00E+00	0.00E+00	3.18E-06	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00
1475	380565.04	3735441.86	2.05E-05	0.00E+00	0.00E+00	0.00E+00	3.15E-06	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00
1476	380595.9	3735420.18	2.05E-05	0.00E+00	0.00E+00	0.00E+00	3.16E-06	0.00E+00	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00
1477	380624.25	3735399.33	2.09E-05	0.00E+00	0.00E+00	0.00E+00	3.22E-06	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00
1478	380641.76	3735382.65	2.12E-05	0.00E+00	0.00E+00	0.00E+00	3.26E-06	0.00E+00	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00
1479	380660.11	3735370.97	2.14E-05	0.00E+00	0.00E+00	0.00E+00	3.30E-06	0.00E+00	0.00E+00	0.00E+00	2.19E-06	0.00E+00	0.00E+00	0.00E+00
1480	380682.63	3735356.8	2.16E-05	0.00E+00	0.00E+00	0.00E+00	3.33E-06	0.00E+00	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00
1481	380703.48	3735345.95	2.17E-05	0.00E+00	0.00E+00	0.00E+00	3.35E-06	0.00E+00	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00
1482	380715.15	3735338.45	2.17E-05	0.00E+00	0.00E+00	0.00E+00	3.34E-06	0.00E+00	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00
1483	380734.33	3735324.27	2.15E-05	0.00E+00	0.00E+00	0.00E+00	3.31E-06	0.00E+00	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00
1484	380885.42	3735181.46	2.06E-05	0.00E+00	0.00E+00	0.00E+00	3.18E-06	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00
1485	380906.54	3735156.62	2.02E-05	0.00E+00	0.00E+00	0.00E+00	3.12E-06	0.00E+00	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00
1486	380956.21	3735125.57	2.04E-05	0.00E+00	0.00E+00	0.00E+00	3.14E-06	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00
1487	380993.47	3735116.88	2.07E-05	0.00E+00	0.00E+00	0.00E+00	3.19E-06	0.00E+00	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00
1488	381024.52	3735105.7	2.09E-05	0.00E+00	0.00E+00	0.00E+00	3.22E-06	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00
1489	380887.91	3735100.73	1.86E-05	0.00E+00	0.00E+00	0.00E+00	2.86E-06	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00
1490	380844.44	3735110.67	1.81E-05	0.00E+00	0.00E+00	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00
1491	380812.15	3735111.91	1.77E-05	0.00E+00	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00
1492	380776.74	3735245.85	2.01E-05	0.00E+00	0.00E+00	0.00E+00	3.10E-06	0.00E+00	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00
1493	380773.98	3735229.32	1.97E-05	0.00E+00	0.00E+00	0.00E+00	3.03E-06	0.00E+00	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00
1494	381418	3735188.4	2.85E-05	0.00E+00	0.00E+00	0.00E+00	4.39E-06	0.00E+00	0.00E+00	0.00E+00	2.92E-06	0.00E+00	0.00E+00	0.00E+00
1495	381448	3735218.4	2.98E-05	0.00E+00	0.00E+00	0.00E+00	4.60E-06	0.00E+00	0.00E+00	0.00E+00	3.06E-06	0.00E+00	0.00E+00	0.00E+00
1496	381478	3735218.4	3.02E-05	0.00E+00	0.00E+00	0.00E+00	4.66E-06	0.00E+00	0.00E+00	0.00E+00	3.10E-06	0.00E+00	0.00E+00	0.00E+00
1497	381508	3735218.4	3.07E-05	0.00E+00	0.00E+00	0.00E+00	4.73E-06	0.00E+00	0.00E+00	0.00E+00	3.14E-06	0.00E+00	0.00E+00	0.00E+00
1498	381538	3735218.4	3.11E-05	0.00E+00	0.00E+00	0.00E+00	4.79E-06	0.00E+00	0.00E+00	0.00E+00	3.19E-06	0.00E+00	0.00E+00	0.00E+00
1499	381568	3735218.4	3.14E-05	0.00E+00	0.00E+00	0.00E+00	4.84E-06	0.00E+00	0.00E+00	0.00E+00	3.22E-06	0.00E+00	0.00E+00	0.00E+00
1500	381898	3735218.4	3.58E-05	0.00E+00	0.00E+00	0.00E+00	5.51E-06	0.00E+00	0.00E+00	0.00E+00	3.66E-06	0.00E+00	0.00E+00	0.00E+00
1501	381418	3735248.4	3.10E-05	0.00E+00	0.00E+00	0.00E+00	4.78E-06	0.00E+00	0.00E+00	0.00E+00	3.18E-06	0.00E+00	0.00E+00	0.00E+00
1502	381448	3735248.4	3.11E-05	0.00E+00	0.00E+00	0.00E+00	4.80E-06	0.00E+00	0.00E+00	0.00E+00	3.19E-06	0.00E+00	0.00E+00	0.00E+00
1503	381478	3735248.4	3.11E-05	0.00E+00	0.00E+00	0.00E+00	4.79E-06	0.00E+00	0.00E+00	0.00E+00	3.18E-06	0.00E+00	0.00E+00	0.00E+00
1504	381508	3735248.4	3.19E-05	0.00E+00	0.00E+00	0.00E+00	4.91E-06	0.00E+00	0.00E+00	0.00E+00	3.27E-06	0.00E+00	0.00E+00	0.00E+00
1505	381538	3735248.4	3.26E-05	0.00E+00	0.00E+00	0.00E+00	5.02E-06	0.00E+00	0.00E+00	0.00E+00	3.34E-06	0.00E+00	0.00E+00	0.00E+00
1506	381568	3735248.4	3.29E-05	0.00E+00	0.00E+00	0.00E+00	5.07E-06	0.00E+00	0.00E+00	0.00E+00	3.37E-06	0.00E+00	0.00E+00	0.00E+00
1507	381598	3735248.4	3.33E-05	0.00E+00	0.00E+00	0.00E+00	5.13E-06	0.00E+00	0.00E+00	0.00E+00	3.41E-06	0.00E+00	0.00E+00	0.00E+00
1508	381628	3735248.4	3.38E-05	0.00E+00	0.00E+00	0.00E+00	5.20E-06	0.00E+00	0.00E+00	0.00E+00	3.46E-06	0.00E+00	0.00E+00	0.00E+00
1509	381658	3735248.4	3.42E-05	0.00E+00	0.00E+00	0.00E+00	5.26E-06	0.00E+00	0.00E+00	0.00E+00	3.50E-06	0.00E+00	0.00E+00	0.00E+00
1510	381688	3735248.4	3.46E-05	0.00E+00	0.00E+00	0.00E+00	5.33E-06	0.00E+00	0.00E+00	0.00E+00	3.54E-06	0.00E+00	0.00E+00	0.00E+00
1511	381718	3735248.4	3.50E-05	0.00E+00	0.00E+00	0.00E+00	5.39E-06	0.00E+00	0.00E+00	0.00E+00	3.58E-06	0.00E+00	0.00E+00	0.00E+00
1512	381748	3735248.4	3.54E-05	0.00E+00	0.00E+00	0.00E+00	5.45E-06	0.00E+00	0.00E+00	0.00E+00	3.62E-06	0.00E+00	0.00E+00	0.00E+00
1513	381778	3735248.4	3.58E-05	0.00E+00	0.00E+00	0.00E+00	5.51E-06	0.00E+00	0.00E+00	0.00E+00	3.66E-06	0.00E+00	0.00E+00	0.00E+00
1514	381808	3735248.4	3.62E-05	0.00E+00	0.00E+00	0.00E+00	5.58E-06	0.00E+00	0.00E+00	0.00E+00	3.71E-06	0.00E+00	0.00E+00	0.00E+00
1515	381838	3735248.4	3.67E-05	0.00E+00	0.00E+00	0.00E+00	5.65E-06	0.00E+00	0.00E+00	0.00E+00	3.76E-06	0.00E+00	0.00E+00	0.00E+00
1516	381868	3735248.4	3.72E-05	0.00E+00	0.00E+00	0.00E+00	5.73E-06	0.00E+00	0.00E+00	0.00E+00	3.81E-06	0.00E+00	0.00E+00	0.00E+00
1517	381898	3735248.4	3.76E-05	0.00E+00	0.00E+00	0.00E+00	5.80E-06	0.00E+00	0.00E+00	0.00E+00	3.85E-06	0.00E+00	0.00E+00	0.00E+00
1518	381388	3735278.4	3.21E-05	0.00E+00	0.00E+00	0.00E+00	4.95E-06	0.00E+00	0.00E+00	0.00E+00	3.29E-06	0.00E+00	0.00E+00	0.00E+00
1519	381418	3735278.4	3.25E-05	0.00E+00	0.00E+00	0.00E+00	5.01E-06	0.00E+00	0.00E+00	0.00E+00	3.33E-06	0.00E+00	0.00E+00	0.00E+00
1520	381448	3735278.4	3.28E-05	0.00E+00	0.00E+00	0.00E+00	5.06E-06	0.00E+00	0.00E+00	0.00E+00	3.36E-06	0.00E+00	0.00E+00	0.00E+00
1521	381478	3735278.4	3.30E-05	0.00E+00	0.00E+00	0.00E+00	5.09E-06	0.00E+00	0.00E+00	0.00E+00	3.38E-06	0.00E+00	0.00E+00	0.00E+00
1522	381508	3735278.4	3.29E-05	0.00E+00	0.00E+00	0.00E+00	5.07E-06	0.00E+00	0.00E+00	0.00E+00	3.37E-06	0.00E+00	0.00E+00	0.00E+00
1523	381538	3735278.4	3.42E-05	0.00E+00	0.00E+00	0.00E+00	5.27E-06	0.00E+00	0.00E+00	0.00E+00	3.50E-06	0.00E+00	0.00E+00	0.00E+00
1524	381568	3735278.4	3.46E-05	0.00E+00	0.00E+00	0.00E+00	5.33E-06	0.00E+00	0.00E+00	0.00E+00	3.54E-06	0.00E+00	0.00E+00	0.00E+00
1525	381598	3735278.4	3.50E-05	0.00E+00	0.00E+00	0.00E+00	5.40E-06	0.00E+00	0.00E+00	0.00E+00	3.59E-06	0.00E+00	0.00E+00	0.00E+00
1526	381628	3735278.4	3.55E-05	0.00E+00	0.00E+00	0.00E+00	5.47E-06	0.00E+00	0.00E+00	0.00E+00	3.64E-06	0.00E+00	0.00E+00	0.00E+00

1527	381658	3735278.4	3.59E-05	0.00E+00	0.00E+00	0.00E+00	5.54E-06	0.00E+00	0.00E+00	0.00E+00	3.68E-06	0.00E+00	0.00E+00	0.00E+00
1528	381688	3735278.4	3.64E-05	0.00E+00	0.00E+00	0.00E+00	5.61E-06	0.00E+00	0.00E+00	0.00E+00	3.73E-06	0.00E+00	0.00E+00	0.00E+00
1529	381718	3735278.4	3.68E-05	0.00E+00	0.00E+00	0.00E+00	5.67E-06	0.00E+00	0.00E+00	0.00E+00	3.77E-06	0.00E+00	0.00E+00	0.00E+00
1530	381748	3735278.4	3.72E-05	0.00E+00	0.00E+00	0.00E+00	5.74E-06	0.00E+00	0.00E+00	0.00E+00	3.81E-06	0.00E+00	0.00E+00	0.00E+00
1531	381778	3735278.4	3.77E-05	0.00E+00	0.00E+00	0.00E+00	5.80E-06	0.00E+00	0.00E+00	0.00E+00	3.86E-06	0.00E+00	0.00E+00	0.00E+00
1532	381808	3735278.4	3.81E-05	0.00E+00	0.00E+00	0.00E+00	5.88E-06	0.00E+00	0.00E+00	0.00E+00	3.91E-06	0.00E+00	0.00E+00	0.00E+00
1533	381838	3735278.4	3.87E-05	0.00E+00	0.00E+00	0.00E+00	5.96E-06	0.00E+00	0.00E+00	0.00E+00	3.96E-06	0.00E+00	0.00E+00	0.00E+00
1534	381868	3735278.4	3.92E-05	0.00E+00	0.00E+00	0.00E+00	6.04E-06	0.00E+00	0.00E+00	0.00E+00	4.01E-06	0.00E+00	0.00E+00	0.00E+00
1535	381898	3735278.4	3.97E-05	0.00E+00	0.00E+00	0.00E+00	6.12E-06	0.00E+00	0.00E+00	0.00E+00	4.07E-06	0.00E+00	0.00E+00	0.00E+00
1536	381358	3735308.4	3.32E-05	0.00E+00	0.00E+00	0.00E+00	5.12E-06	0.00E+00	0.00E+00	0.00E+00	3.40E-06	0.00E+00	0.00E+00	0.00E+00
1537	381388	3735308.4	3.37E-05	0.00E+00	0.00E+00	0.00E+00	5.20E-06	0.00E+00	0.00E+00	0.00E+00	3.46E-06	0.00E+00	0.00E+00	0.00E+00
1538	381418	3735308.4	3.40E-05	0.00E+00	0.00E+00	0.00E+00	5.24E-06	0.00E+00	0.00E+00	0.00E+00	3.48E-06	0.00E+00	0.00E+00	0.00E+00
1539	381448	3735308.4	3.46E-05	0.00E+00	0.00E+00	0.00E+00	5.34E-06	0.00E+00	0.00E+00	0.00E+00	3.55E-06	0.00E+00	0.00E+00	0.00E+00
1540	381478	3735308.4	3.48E-05	0.00E+00	0.00E+00	0.00E+00	5.36E-06	0.00E+00	0.00E+00	0.00E+00	3.56E-06	0.00E+00	0.00E+00	0.00E+00
1541	381508	3735308.4	3.43E-05	0.00E+00	0.00E+00	0.00E+00	5.29E-06	0.00E+00	0.00E+00	0.00E+00	3.51E-06	0.00E+00	0.00E+00	0.00E+00
1542	381538	3735308.4	3.56E-05	0.00E+00	0.00E+00	0.00E+00	5.48E-06	0.00E+00	0.00E+00	0.00E+00	3.64E-06	0.00E+00	0.00E+00	0.00E+00
1543	381568	3735308.4	3.65E-05	0.00E+00	0.00E+00	0.00E+00	5.62E-06	0.00E+00	0.00E+00	0.00E+00	3.73E-06	0.00E+00	0.00E+00	0.00E+00
1544	381598	3735308.4	3.69E-05	0.00E+00	0.00E+00	0.00E+00	5.69E-06	0.00E+00	0.00E+00	0.00E+00	3.78E-06	0.00E+00	0.00E+00	0.00E+00
1545	381628	3735308.4	3.74E-05	0.00E+00	0.00E+00	0.00E+00	5.77E-06	0.00E+00	0.00E+00	0.00E+00	3.83E-06	0.00E+00	0.00E+00	0.00E+00
1546	381658	3735308.4	3.79E-05	0.00E+00	0.00E+00	0.00E+00	5.84E-06	0.00E+00	0.00E+00	0.00E+00	3.88E-06	0.00E+00	0.00E+00	0.00E+00
1547	381688	3735308.4	3.84E-05	0.00E+00	0.00E+00	0.00E+00	5.91E-06	0.00E+00	0.00E+00	0.00E+00	3.93E-06	0.00E+00	0.00E+00	0.00E+00
1548	381718	3735308.4	3.89E-05	0.00E+00	0.00E+00	0.00E+00	5.99E-06	0.00E+00	0.00E+00	0.00E+00	3.98E-06	0.00E+00	0.00E+00	0.00E+00
1549	381748	3735308.4	3.93E-05	0.00E+00	0.00E+00	0.00E+00	6.06E-06	0.00E+00	0.00E+00	0.00E+00	4.03E-06	0.00E+00	0.00E+00	0.00E+00
1550	381778	3735308.4	3.97E-05	0.00E+00	0.00E+00	0.00E+00	6.12E-06	0.00E+00	0.00E+00	0.00E+00	4.07E-06	0.00E+00	0.00E+00	0.00E+00
1551	381808	3735308.4	4.02E-05	0.00E+00	0.00E+00	0.00E+00	6.20E-06	0.00E+00	0.00E+00	0.00E+00	4.12E-06	0.00E+00	0.00E+00	0.00E+00
1552	381838	3735308.4	4.08E-05	0.00E+00	0.00E+00	0.00E+00	6.29E-06	0.00E+00	0.00E+00	0.00E+00	4.18E-06	0.00E+00	0.00E+00	0.00E+00
1553	381868	3735308.4	4.14E-05	0.00E+00	0.00E+00	0.00E+00	6.38E-06	0.00E+00	0.00E+00	0.00E+00	4.24E-06	0.00E+00	0.00E+00	0.00E+00
1554	381898	3735308.4	4.20E-05	0.00E+00	0.00E+00	0.00E+00	6.47E-06	0.00E+00	0.00E+00	0.00E+00	4.30E-06	0.00E+00	0.00E+00	0.00E+00
1555	381328	3735338.4	3.45E-05	0.00E+00	0.00E+00	0.00E+00	5.31E-06	0.00E+00	0.00E+00	0.00E+00	3.53E-06	0.00E+00	0.00E+00	0.00E+00
1556	381358	3735338.4	3.50E-05	0.00E+00	0.00E+00	0.00E+00	5.39E-06	0.00E+00	0.00E+00	0.00E+00	3.58E-06	0.00E+00	0.00E+00	0.00E+00
1557	381388	3735338.4	3.55E-05	0.00E+00	0.00E+00	0.00E+00	5.47E-06	0.00E+00	0.00E+00	0.00E+00	3.63E-06	0.00E+00	0.00E+00	0.00E+00
1558	381418	3735338.4	3.56E-05	0.00E+00	0.00E+00	0.00E+00	5.48E-06	0.00E+00	0.00E+00	0.00E+00	3.64E-06	0.00E+00	0.00E+00	0.00E+00
1559	381448	3735338.4	3.64E-05	0.00E+00	0.00E+00	0.00E+00	5.62E-06	0.00E+00	0.00E+00	0.00E+00	3.73E-06	0.00E+00	0.00E+00	0.00E+00
1560	381478	3735338.4	3.69E-05	0.00E+00	0.00E+00	0.00E+00	5.68E-06	0.00E+00	0.00E+00	0.00E+00	3.78E-06	0.00E+00	0.00E+00	0.00E+00
1561	381508	3735338.4	3.63E-05	0.00E+00	0.00E+00	0.00E+00	5.60E-06	0.00E+00	0.00E+00	0.00E+00	3.72E-06	0.00E+00	0.00E+00	0.00E+00
1562	381538	3735338.4	3.75E-05	0.00E+00	0.00E+00	0.00E+00	5.79E-06	0.00E+00	0.00E+00	0.00E+00	3.84E-06	0.00E+00	0.00E+00	0.00E+00
1563	381568	3735338.4	3.85E-05	0.00E+00	0.00E+00	0.00E+00	5.93E-06	0.00E+00	0.00E+00	0.00E+00	3.94E-06	0.00E+00	0.00E+00	0.00E+00
1564	381598	3735338.4	3.90E-05	0.00E+00	0.00E+00	0.00E+00	6.01E-06	0.00E+00	0.00E+00	0.00E+00	3.99E-06	0.00E+00	0.00E+00	0.00E+00
1565	381628	3735338.4	3.95E-05	0.00E+00	0.00E+00	0.00E+00	6.09E-06	0.00E+00	0.00E+00	0.00E+00	4.05E-06	0.00E+00	0.00E+00	0.00E+00
1566	381658	3735338.4	4.01E-05	0.00E+00	0.00E+00	0.00E+00	6.17E-06	0.00E+00	0.00E+00	0.00E+00	4.10E-06	0.00E+00	0.00E+00	0.00E+00
1567	381688	3735338.4	4.06E-05	0.00E+00	0.00E+00	0.00E+00	6.26E-06	0.00E+00	0.00E+00	0.00E+00	4.16E-06	0.00E+00	0.00E+00	0.00E+00
1568	381718	3735338.4	4.11E-05	0.00E+00	0.00E+00	0.00E+00	6.34E-06	0.00E+00	0.00E+00	0.00E+00	4.21E-06	0.00E+00	0.00E+00	0.00E+00
1569	381748	3735338.4	4.17E-05	0.00E+00	0.00E+00	0.00E+00	6.42E-06	0.00E+00	0.00E+00	0.00E+00	4.27E-06	0.00E+00	0.00E+00	0.00E+00
1570	381778	3735338.4	4.21E-05	0.00E+00	0.00E+00	0.00E+00	6.48E-06	0.00E+00	0.00E+00	0.00E+00	4.31E-06	0.00E+00	0.00E+00	0.00E+00
1571	381808	3735338.4	4.26E-05	0.00E+00	0.00E+00	0.00E+00	6.56E-06	0.00E+00	0.00E+00	0.00E+00	4.36E-06	0.00E+00	0.00E+00	0.00E+00
1572	381838	3735338.4	4.32E-05	0.00E+00	0.00E+00	0.00E+00	6.66E-06	0.00E+00	0.00E+00	0.00E+00	4.42E-06	0.00E+00	0.00E+00	0.00E+00
1573	381868	3735338.4	4.38E-05	0.00E+00	0.00E+00	0.00E+00	6.75E-06	0.00E+00	0.00E+00	0.00E+00	4.49E-06	0.00E+00	0.00E+00	0.00E+00
1574	381898	3735338.4	4.44E-05	0.00E+00	0.00E+00	0.00E+00	6.85E-06	0.00E+00	0.00E+00	0.00E+00	4.55E-06	0.00E+00	0.00E+00	0.00E+00
1575	381328	3735368.4	3.64E-05	0.00E+00	0.00E+00	0.00E+00	5.61E-06	0.00E+00	0.00E+00	0.00E+00	3.73E-06	0.00E+00	0.00E+00	0.00E+00
1576	381358	3735368.4	3.69E-05	0.00E+00	0.00E+00	0.00E+00	5.69E-06	0.00E+00	0.00E+00	0.00E+00	3.78E-06	0.00E+00	0.00E+00	0.00E+00
1577	381388	3735368.4	3.74E-05	0.00E+00	0.00E+00	0.00E+00	5.77E-06	0.00E+00	0.00E+00	0.00E+00	3.84E-06	0.00E+00	0.00E+00	0.00E+00
1578	381418	3735368.4	3.78E-05	0.00E+00	0.00E+00	0.00E+00	5.82E-06	0.00E+00	0.00E+00	0.00E+00	3.87E-06	0.00E+00	0.00E+00	0.00E+00
1579	381448	3735368.4	3.85E-05	0.00E+00	0.00E+00	0.00E+00	5.94E-06	0.00E+00	0.00E+00	0.00E+00	3.94E-06	0.00E+00	0.00E+00	0.00E+00
1580	381478	3735368.4	3.91E-05	0.00E+00	0.00E+00	0.00E+00	6.02E-06	0.00E+00	0.00E+00	0.00E+00	4.00E-06	0.00E+00	0.00E+00	0.00E+00
1581	381508	3735368.4	3.92E-05	0.00E+00	0.00E+00	0.00E+00	6.04E-06	0.00E+00	0.00E+00	0.00E+00	4.01E-06	0.00E+00	0.00E+00	0.00E+00
1582	381538	3735368.4	4.01E-05	0.00E+00	0.00E+00	0.00E+00	6.18E-06	0.00E+00	0.00E+00	0.00E+00	4.11E-06	0.00E+00	0.00E+00	0.00E+00
1583	381568	3735368.4	4.07E-05	0.00E+00	0.00E+00	0.00E+00	6.27E-06	0.00E+00	0.00E+00	0.00E+00	4.17E-06	0.00E+00	0.00E+00	0.00E+00
1584	381598	3735368.4	4.13E-05	0.00E+00	0.00E+00	0.00E+00	6.36E-06	0.00E+00	0.00E+00	0.00E+00	4.23E-06	0.00E+00	0.00E+00	0.00E+00
1585	381628	3735368.4	4.19E-05	0.00E+00	0.00E+00	0.00E+00	6.45E-06	0.00E+00	0.00E+00	0.00E+00	4.29E-06	0.00E+00	0.00E+00	0.00E+00
1586	381658	3735368.4	4.25E-05	0.00E+00	0.00E+00	0.00E+00	6.55E-06	0.00E+00	0.00E+00	0.00E+00	4.35E-06	0.00E+00	0.00E+00	0.00E+00
1587	381688	3735368.4	4.31E-05	0.00E+00	0.00E+00	0.00E+00	6.64E-06	0.00E+00	0.00E+00	0.00E+00	4.41E-06	0.00E+00	0.00E+00	0.00E+00
1588	381718	3735368.4	4.37E-05	0.00E+00	0.00E+00	0.00E+00	6.73E-06	0.00E+00	0.00E+00	0.00E+00	4.47E-06	0.00E+00	0.00E+00	0.00E+00
1589	381748	3735368.4	4.43E-05	0.00E+00	0.00E+00	0.00E+00	6.82E-06	0.00E+00	0.00E+00	0.00E+00	4.53E-06	0.00E+00	0.00E+00	0.00E+00
1590	381778	3735368.4	4.48E-05	0.00E+00	0.00E+00	0.00E+00	6.91E-06	0.00E+00	0.00E+00	0.00E+00	4.59E-06	0.00E+00	0.00E+00	0.00E+00
1591	381808	3735368.4	4.53E-05	0.00E+00	0.00E+00	0.00E+00	6.98E-06	0.00E+00	0.00E+00	0.00E+00	4.64E-06	0.00E+00	0.00E+00	0.00E+00
1592	381838	3735368.4	4.58E-05	0.00E+00	0.00E+00	0.00E+00	7.06E-06	0.00E+00	0.00E+00	0.00E+00	4.69E-06	0.00E+00	0.00E+00	0.00E+00
1593	381868	3735368.4	4.65E-05	0.00E+00	0.00E+00	0.00E+00	7.16E-06	0.00E+00	0.00E+00	0.00E+00	4.76E-06	0.00E+00	0.00E+00	0.00E+00
1594	381898	3735368.4	4.71E-05	0.00E+00	0.00E+00	0.00E+00	7.26E-06	0.00E+00	0.00E+00	0.00E+00	4.82E-06	0.00E+00	0.00E+00	0.00E+00
1595	381298	3735398.4	3.79E-05	0.00E+00	0.00E+00	0.00E+00	5.83E-06	0.00E+00	0.00E+00	0.00E+00	3.88E-06	0.00E+00	0.00E+00	0.00E+00
1596	381328	3735398.4	3.85E-05	0.00E+00	0.00E+00	0.00E+00	5.93E-06	0.00E+00	0.00E+00	0.00E+00	3.94E-06	0.00E+00	0.00E+00	0.00E+00
1597	381358	3735398.4	3.91E-05	0.00E+00	0.00E+00	0.00E+00	6.02E-06	0.00E+00	0.00E+00	0.00E+00	4.00E-06	0.00E+00	0.00E+00	0.00E+00
1598	381388	3735398.4	3.96E-05	0.00E+00	0.00E+00	0.00E+00	6.11E-06	0.00E+00	0.00E+00	0.00E+00	4.06E-06	0.00E+00	0.00E+00	0.00E+00
1599	381418	3735398.4	4.02E-05	0.00E+00	0.00E+00	0.00E+00	6.20E-06	0.00E+00	0.00E+00	0.00E+00	4.12E-06	0.00E+00	0.00E+00	0.00E+00
1600	381448	3735398.4	4.08E-05	0.00E+00	0.00E+00	0.00E+00	6.29E-06	0.00E+00	0.00E+00	0.00E+00	4.18E-06	0.00E+00	0.00E+00	0.00E+00
1601	381478	3735398.4	4.14E-05	0.00E+00	0.00E+00	0.00E+00	6.38E-06	0.00E+00	0.00E+00	0.00E+00	4.24E-06	0.00E+00	0.00E+00	0.00E+00
1602	381508	3735398.4	4.20E-05	0.00E+00	0.00E+00	0.00E+00	6.47E-06	0.00E+00	0.00E+00	0.00E+00	4.30E-06	0.00E+00	0.00E+00	0.00E+00
1603	381538	3735398.4	4.26E-05	0.00E+00	0.00E+00	0.00E+00	6.57E-06	0.00E+00	0.00E+00	0.00E+00	4.36E-06	0.00E+00	0.00E+00	0.00E+00
1604	381568	3735398.4	4.32E-05	0.00E+00	0.00E+00	0.00E+00	6.66E-06	0.00E+00	0.00E+00	0.00E+00	4.43E-06	0.00E+00	0.00E+00	0.00E+00
1605	381598	3735398.4	4.38E-05	0.00E+00	0.00E+00	0.00E+00	6.76E-06	0.00E+00	0.00E+00	0.00E+00	4.49E-06	0.00E+00	0.00E+00	0.00E+00
1606	381628	3735398.4	4.45E-05	0.00E+00	0.00E+00	0.00E+00	6.85E-06	0.00E+00	0.00E+00	0.00E+00	4.56E-06	0.00E+00	0.00E+00	0.00E+00
1607	381658	3735398.4	4.52E-05	0.00E+00	0.00E+00	0.00E+00	6.96E-06	0.00E+00	0.00E+00	0.00E+00	4.63E-06	0.00E+00	0.00E+00	0.00E+00
1608	381688	3735398.4	4.58E-05	0.00E+00	0.00E+00	0.00E+00	7.06E-06	0.00E+00	0.00E+00	0.00E+00	4.69E-06	0.00E+00	0.00E+00	0.00E+00
1609	381718	3735398.4	4.65E-05	0.00E+00	0.00E+00	0.00E+00	7.16E-06	0.00E+00	0.00E+00	0.00E+00	4.76E-06	0.00E+00	0.00E+00	0.00E+00
1610	381748	3735398.4	4.71E-05	0.00E+00	0.00E+00	0.00E+00	7.26E-06	0.00E+00	0.00E+00	0.00E+00	4.82E-06	0.00E+00	0.00E+00	0.00E+00
1611	381778	3735398.4	4.78E-05	0.00E+00	0.00E+00	0.00E+00	7.36E-06	0.00E+00	0.00E+00	0.00E+00	4.89E-06	0.00E+00	0.00E+00	0.00E+00
1612	381808	3735398.4	4.83E-05	0.00E+00	0.00E+00	0.00E+00	7.44E-06	0.00E+00	0.00E+00	0.00E+00	4.94E-06	0.00E+00	0.00E+00	0.00E+00
1613	381838	3735398.4	4.88E-05	0.00E+00	0.00E+00	0.00E+00	7.52E-06	0.00E+00	0.00E+00	0.00E+00	5.00E-06	0.00E+00	0.00E+00	0.00E+00
1614	381868	3735398.4	4.94E-05	0.00E+00	0.00E+00	0.00E+00	7.62E-06	0.00E+00	0.00E+00	0.00E+00	5.06E-06	0.00E+00	0.00E+00	0.00E+00
1615	381898	3735398.4	5.01E-05	0.00E+00	0.00E+00	0.00E+00	7.72E-06	0.00E+00	0.00E+00	0.00E+00	5.13E-06	0.00E+00	0.00E+00	0.00E+00
1616	381298	3735428.4	4.02E-05	0.00E+00	0.00E+00	0.00E+00	6.19E-06	0.00E+00	0.00E+00	0.00E+00	4.11E-06	0.00E+00	0.00E+00	0.00E+00

1617	381328	3735428.4	4.08E-05	0.00E+00	0.00E+00	0.00E+00	6.28E-06	0.00E+00	0.00E+00	0.00E+00	4.18E-06	0.00E+00	0.00E+00	0.00E+00
1618	381358	3735428.4	4.14E-05	0.00E+00	0.00E+00	0.00E+00	6.38E-06	0.00E+00	0.00E+00	0.00E+00	4.24E-06	0.00E+00	0.00E+00	0.00E+00
1619	381388	3735428.4	4.21E-05	0.00E+00	0.00E+00	0.00E+00	6.48E-06	0.00E+00	0.00E+00	0.00E+00	4.31E-06	0.00E+00	0.00E+00	0.00E+00
1620	381418	3735428.4	4.27E-05	0.00E+00	0.00E+00	0.00E+00	6.58E-06	0.00E+00	0.00E+00	0.00E+00	4.37E-06	0.00E+00	0.00E+00	0.00E+00
1621	381448	3735428.4	4.33E-05	0.00E+00	0.00E+00	0.00E+00	6.68E-06	0.00E+00	0.00E+00	0.00E+00	4.44E-06	0.00E+00	0.00E+00	0.00E+00
1622	381478	3735428.4	4.40E-05	0.00E+00	0.00E+00	0.00E+00	6.78E-06	0.00E+00	0.00E+00	0.00E+00	4.51E-06	0.00E+00	0.00E+00	0.00E+00
1623	381508	3735428.4	4.47E-05	0.00E+00	0.00E+00	0.00E+00	6.88E-06	0.00E+00	0.00E+00	0.00E+00	4.57E-06	0.00E+00	0.00E+00	0.00E+00
1624	381538	3735428.4	4.53E-05	0.00E+00	0.00E+00	0.00E+00	6.99E-06	0.00E+00	0.00E+00	0.00E+00	4.64E-06	0.00E+00	0.00E+00	0.00E+00
1625	381568	3735428.4	4.60E-05	0.00E+00	0.00E+00	0.00E+00	7.09E-06	0.00E+00	0.00E+00	0.00E+00	4.71E-06	0.00E+00	0.00E+00	0.00E+00
1626	381598	3735428.4	4.67E-05	0.00E+00	0.00E+00	0.00E+00	7.20E-06	0.00E+00	0.00E+00	0.00E+00	4.78E-06	0.00E+00	0.00E+00	0.00E+00
1627	381628	3735428.4	4.74E-05	0.00E+00	0.00E+00	0.00E+00	7.31E-06	0.00E+00	0.00E+00	0.00E+00	4.86E-06	0.00E+00	0.00E+00	0.00E+00
1628	381658	3735428.4	4.81E-05	0.00E+00	0.00E+00	0.00E+00	7.42E-06	0.00E+00	0.00E+00	0.00E+00	4.93E-06	0.00E+00	0.00E+00	0.00E+00
1629	381688	3735428.4	4.89E-05	0.00E+00	0.00E+00	0.00E+00	7.53E-06	0.00E+00	0.00E+00	0.00E+00	5.01E-06	0.00E+00	0.00E+00	0.00E+00
1630	381718	3735428.4	4.95E-05	0.00E+00	0.00E+00	0.00E+00	7.63E-06	0.00E+00	0.00E+00	0.00E+00	5.07E-06	0.00E+00	0.00E+00	0.00E+00
1631	381748	3735428.4	5.02E-05	0.00E+00	0.00E+00	0.00E+00	7.74E-06	0.00E+00	0.00E+00	0.00E+00	5.14E-06	0.00E+00	0.00E+00	0.00E+00
1632	381778	3735428.4	5.09E-05	0.00E+00	0.00E+00	0.00E+00	7.85E-06	0.00E+00	0.00E+00	0.00E+00	5.22E-06	0.00E+00	0.00E+00	0.00E+00
1633	381808	3735428.4	5.15E-05	0.00E+00	0.00E+00	0.00E+00	7.94E-06	0.00E+00	0.00E+00	0.00E+00	5.28E-06	0.00E+00	0.00E+00	0.00E+00
1634	381838	3735428.4	5.21E-05	0.00E+00	0.00E+00	0.00E+00	8.03E-06	0.00E+00	0.00E+00	0.00E+00	5.34E-06	0.00E+00	0.00E+00	0.00E+00
1635	381868	3735428.4	5.27E-05	0.00E+00	0.00E+00	0.00E+00	8.13E-06	0.00E+00	0.00E+00	0.00E+00	5.40E-06	0.00E+00	0.00E+00	0.00E+00
1636	381898	3735428.4	5.33E-05	0.00E+00	0.00E+00	0.00E+00	8.22E-06	0.00E+00	0.00E+00	0.00E+00	5.46E-06	0.00E+00	0.00E+00	0.00E+00
1637	381298	3735458.4	4.27E-05	0.00E+00	0.00E+00	0.00E+00	6.58E-06	0.00E+00	0.00E+00	0.00E+00	4.38E-06	0.00E+00	0.00E+00	0.00E+00
1638	381328	3735458.4	4.34E-05	0.00E+00	0.00E+00	0.00E+00	6.69E-06	0.00E+00	0.00E+00	0.00E+00	4.44E-06	0.00E+00	0.00E+00	0.00E+00
1639	381358	3735458.4	4.41E-05	0.00E+00	0.00E+00	0.00E+00	6.80E-06	0.00E+00	0.00E+00	0.00E+00	4.52E-06	0.00E+00	0.00E+00	0.00E+00
1640	381388	3735458.4	4.48E-05	0.00E+00	0.00E+00	0.00E+00	6.90E-06	0.00E+00	0.00E+00	0.00E+00	4.59E-06	0.00E+00	0.00E+00	0.00E+00
1641	381418	3735458.4	4.55E-05	0.00E+00	0.00E+00	0.00E+00	7.01E-06	0.00E+00	0.00E+00	0.00E+00	4.66E-06	0.00E+00	0.00E+00	0.00E+00
1642	381448	3735458.4	4.62E-05	0.00E+00	0.00E+00	0.00E+00	7.12E-06	0.00E+00	0.00E+00	0.00E+00	4.73E-06	0.00E+00	0.00E+00	0.00E+00
1643	381478	3735458.4	4.69E-05	0.00E+00	0.00E+00	0.00E+00	7.23E-06	0.00E+00	0.00E+00	0.00E+00	4.81E-06	0.00E+00	0.00E+00	0.00E+00
1644	381508	3735458.4	4.77E-05	0.00E+00	0.00E+00	0.00E+00	7.35E-06	0.00E+00	0.00E+00	0.00E+00	4.88E-06	0.00E+00	0.00E+00	0.00E+00
1645	381538	3735458.4	4.84E-05	0.00E+00	0.00E+00	0.00E+00	7.46E-06	0.00E+00	0.00E+00	0.00E+00	4.96E-06	0.00E+00	0.00E+00	0.00E+00
1646	381568	3735458.4	4.92E-05	0.00E+00	0.00E+00	0.00E+00	7.58E-06	0.00E+00	0.00E+00	0.00E+00	5.04E-06	0.00E+00	0.00E+00	0.00E+00
1647	381598	3735458.4	4.99E-05	0.00E+00	0.00E+00	0.00E+00	7.70E-06	0.00E+00	0.00E+00	0.00E+00	5.11E-06	0.00E+00	0.00E+00	0.00E+00
1648	381628	3735458.4	5.07E-05	0.00E+00	0.00E+00	0.00E+00	7.81E-06	0.00E+00	0.00E+00	0.00E+00	5.19E-06	0.00E+00	0.00E+00	0.00E+00
1649	381658	3735458.4	5.15E-05	0.00E+00	0.00E+00	0.00E+00	7.93E-06	0.00E+00	0.00E+00	0.00E+00	5.27E-06	0.00E+00	0.00E+00	0.00E+00
1650	381688	3735458.4	5.23E-05	0.00E+00	0.00E+00	0.00E+00	8.05E-06	0.00E+00	0.00E+00	0.00E+00	5.35E-06	0.00E+00	0.00E+00	0.00E+00
1651	381718	3735458.4	5.30E-05	0.00E+00	0.00E+00	0.00E+00	8.17E-06	0.00E+00	0.00E+00	0.00E+00	5.43E-06	0.00E+00	0.00E+00	0.00E+00
1652	381748	3735458.4	5.37E-05	0.00E+00	0.00E+00	0.00E+00	8.28E-06	0.00E+00	0.00E+00	0.00E+00	5.50E-06	0.00E+00	0.00E+00	0.00E+00
1653	381778	3735458.4	5.44E-05	0.00E+00	0.00E+00	0.00E+00	8.39E-06	0.00E+00	0.00E+00	0.00E+00	5.58E-06	0.00E+00	0.00E+00	0.00E+00
1654	381808	3735458.4	5.51E-05	0.00E+00	0.00E+00	0.00E+00	8.49E-06	0.00E+00	0.00E+00	0.00E+00	5.64E-06	0.00E+00	0.00E+00	0.00E+00
1655	381838	3735458.4	5.57E-05	0.00E+00	0.00E+00	0.00E+00	8.58E-06	0.00E+00	0.00E+00	0.00E+00	5.71E-06	0.00E+00	0.00E+00	0.00E+00
1656	381868	3735458.4	5.63E-05	0.00E+00	0.00E+00	0.00E+00	8.68E-06	0.00E+00	0.00E+00	0.00E+00	5.77E-06	0.00E+00	0.00E+00	0.00E+00
1657	381240.22	3736637.59	3.71E-03	0.00E+00	0.00E+00	0.00E+00	5.72E-04	0.00E+00	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	0.00E+00
1658	381224.36	3736613.79	3.87E-03	0.00E+00	0.00E+00	0.00E+00	5.97E-04	0.00E+00	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	0.00E+00
1659	381216.43	3736595.28	3.72E-03	0.00E+00	0.00E+00	0.00E+00	5.74E-04	0.00E+00	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00	0.00E+00
1660	381197.03	3736568.83	3.93E-03	0.00E+00	0.00E+00	0.00E+00	6.06E-04	0.00E+00	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00	0.00E+00
1661	381186.46	3736553.85	4.03E-03	0.00E+00	0.00E+00	0.00E+00	6.21E-04	0.00E+00	0.00E+00	0.00E+00	4.13E-04	0.00E+00	0.00E+00	0.00E+00
1662	381180.29	3736535.34	3.80E-03	0.00E+00	0.00E+00	0.00E+00	5.85E-04	0.00E+00	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	0.00E+00
1663	381160.01	3736511.54	4.04E-03	0.00E+00	0.00E+00	0.00E+00	6.22E-04	0.00E+00	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00	0.00E+00
1664	381150.32	3736493.03	3.89E-03	0.00E+00	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00	0.00E+00
1665	381130.04	3736472.76	4.12E-03	0.00E+00	0.00E+00	0.00E+00	6.35E-04	0.00E+00	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	0.00E+00
1666	381116.82	3736448.96	3.89E-03	0.00E+00	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00	0.00E+00
1667	381102.72	3736430.45	3.82E-03	0.00E+00	0.00E+00	0.00E+00	5.89E-04	0.00E+00	0.00E+00	0.00E+00	3.91E-04	0.00E+00	0.00E+00	0.00E+00
1668	381085.09	3736409.29	3.80E-03	0.00E+00	0.00E+00	0.00E+00	5.86E-04	0.00E+00	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00	0.00E+00
1669	381070.11	3736396.07	4.04E-03	0.00E+00	0.00E+00	0.00E+00	6.23E-04	0.00E+00	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00	0.00E+00
1670	381045.43	3736374.04	4.26E-03	0.00E+00	0.00E+00	0.00E+00	6.57E-04	0.00E+00	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00	0.00E+00
1671	381018.1	3736350.24	4.39E-03	0.00E+00	0.00E+00	0.00E+00	6.77E-04	0.00E+00	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00	0.00E+00
1672	381039.26	3736342.31	3.39E-03	0.00E+00	0.00E+00	0.00E+00	5.22E-04	0.00E+00	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	0.00E+00
1673	381064.82	3736353.76	3.02E-03	0.00E+00	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00	0.00E+00	3.09E-04	0.00E+00	0.00E+00	0.00E+00
1674	381085.97	3736378.44	3.07E-03	0.00E+00	0.00E+00	0.00E+00	4.74E-04	0.00E+00	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00	0.00E+00
1675	381110.65	3736409.29	3.05E-03	0.00E+00	0.00E+00	0.00E+00	4.70E-04	0.00E+00	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	0.00E+00
1676	381135.33	3736437.5	3.04E-03	0.00E+00	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	0.00E+00
1677	381149.44	3736456.01	3.05E-03	0.00E+00	0.00E+00	0.00E+00	4.70E-04	0.00E+00	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	0.00E+00
1678	381163.54	3736472.76	3.01E-03	0.00E+00	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00	0.00E+00	3.09E-04	0.00E+00	0.00E+00	0.00E+00
1679	381181.17	3736499.2	3.04E-03	0.00E+00	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	0.00E+00
1680	381201.44	3736529.17	2.94E-03	0.00E+00	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00	0.00E+00
1681	381220.83	3736555.61	2.81E-03	0.00E+00	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00	0.00E+00
1682	381234.05	3736578.53	2.78E-03	0.00E+00	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00	0.00E+00
1683	381253.45	3736597.92	2.52E-03	0.00E+00	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00	0.00E+00
1684	381243.75	3736541.51	2.15E-03	0.00E+00	0.00E+00	0.00E+00	3.31E-04	0.00E+00	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	0.00E+00
1685	381225.24	3736507.13	2.17E-03	0.00E+00	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	0.00E+00
1686	381211.14	3736480.69	2.17E-03	0.00E+00	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	0.00E+00
1687	381188.22	3736451.6	2.24E-03	0.00E+00	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	0.00E+00
1688	381163.54	3736426.92	2.33E-03	0.00E+00	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	0.00E+00
1689	381147.67	3736411.94	2.38E-03	0.00E+00	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	0.00E+00
1690	381121.23	3736389.9	2.54E-03	0.00E+00	0.00E+00	0.00E+00	3.91E-04	0.00E+00	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00	0.00E+00
1691	381109.77	3736372.27	2.49E-03	0.00E+00	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	0.00E+00
1692	381082.45	3736350.24	2.61E-03	0.00E+00	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00	0.00E+00
1693	381063.06	3736344.07	2.85E-03	0.00E+00	0.00E+00	0.00E+00	4.39E-04	0.00E+00	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00	0.00E+00
1694	381143.27	3736347.59	1.81E-03	0.00E+00	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	0.00E+00
1695	381166.18	3736378.44	1.83E-03	0.00E+00	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	0.00E+00
1696	381187.34	3736412.82	1.89E-03	0.00E+00	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	0.00E+00
1697	381218.19	3736444.55	1.79E-03	0.00E+00	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	0.00E+00
1698	381236.7	3736463.06	1.71E-03	0.00E+00	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	0.00E+00
1699	381247.28	3736485.1	1.71E-03	0.00E+00	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	0.00E+00
1700	382770.73	3737001.46	1.87E-05	0.00E+00	0.00E+00	0.00E+00	2.88E-06	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00
1701	382710.73	3737031.46	1.92E-05	0.00E+00	0.00E+00	0.00E+00	2.96E-06	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00
1702	382740.73	3737031.46	1.86E-05	0.00E+00	0.00E+00	0.00E+00	2.87E-06	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00
1703	382770.73	3737031.46	1.81E-05	0.00E+00	0.00E+00	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00
1704	382650.73	3737061.46	1.99E-05	0.00E+00	0.00E+00	0.00E+00	3.06E-06	0.00E+00	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00
1705	382680.73	3737061.46	1.92E-05	0.00E+00	0.00E+00	0.00E+00	2.96E-06	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00
1706	382710.73	3737061.46	1.86E-05	0.00E+00	0.00E+00	0.00E+00	2.87E-06	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00

1707	382740.73	3737061.46	1.81E-05	0.00E+00	0.00E+00	0.00E+00	2.78E-06	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00
1708	382770.73	3737061.46	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.70E-06	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00
1709	382560.73	3737091.46	2.14E-05	0.00E+00	0.00E+00	0.00E+00	3.30E-06	0.00E+00	0.00E+00	0.00E+00	2.19E-06	0.00E+00	0.00E+00	0.00E+00
1710	382590.73	3737091.46	2.07E-05	0.00E+00	0.00E+00	0.00E+00	3.18E-06	0.00E+00	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00
1711	382620.73	3737091.46	2.00E-05	0.00E+00	0.00E+00	0.00E+00	3.08E-06	0.00E+00	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00
1712	382650.73	3737091.46	1.93E-05	0.00E+00	0.00E+00	0.00E+00	2.97E-06	0.00E+00	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00
1713	382680.73	3737091.46	1.87E-05	0.00E+00	0.00E+00	0.00E+00	2.88E-06	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00
1714	382710.73	3737091.46	1.81E-05	0.00E+00	0.00E+00	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00
1715	382740.73	3737091.46	1.75E-05	0.00E+00	0.00E+00	0.00E+00	2.70E-06	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00
1716	382770.73	3737091.46	1.70E-05	0.00E+00	0.00E+00	0.00E+00	2.63E-06	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00
1717	382500.73	3737121.46	2.24E-05	0.00E+00	0.00E+00	0.00E+00	3.46E-06	0.00E+00	0.00E+00	0.00E+00	2.30E-06	0.00E+00	0.00E+00	0.00E+00
1718	382530.73	3737121.46	2.16E-05	0.00E+00	0.00E+00	0.00E+00	3.33E-06	0.00E+00	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00
1719	382560.73	3737121.46	2.08E-05	0.00E+00	0.00E+00	0.00E+00	3.21E-06	0.00E+00	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00
1720	382590.73	3737121.46	2.01E-05	0.00E+00	0.00E+00	0.00E+00	3.10E-06	0.00E+00	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00
1721	382620.73	3737121.46	1.94E-05	0.00E+00	0.00E+00	0.00E+00	2.99E-06	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00
1722	382650.73	3737121.46	1.88E-05	0.00E+00	0.00E+00	0.00E+00	2.89E-06	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00
1723	382680.73	3737121.46	1.81E-05	0.00E+00	0.00E+00	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00
1724	382710.73	3737121.46	1.76E-05	0.00E+00	0.00E+00	0.00E+00	2.71E-06	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00
1725	382440.73	3737151.46	2.37E-05	0.00E+00	0.00E+00	0.00E+00	3.65E-06	0.00E+00	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00
1726	382470.73	3737151.46	2.28E-05	0.00E+00	0.00E+00	0.00E+00	3.51E-06	0.00E+00	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00
1727	382500.73	3737151.46	2.19E-05	0.00E+00	0.00E+00	0.00E+00	3.37E-06	0.00E+00	0.00E+00	0.00E+00	2.24E-06	0.00E+00	0.00E+00	0.00E+00
1728	382530.73	3737151.46	2.11E-05	0.00E+00	0.00E+00	0.00E+00	3.25E-06	0.00E+00	0.00E+00	0.00E+00	2.16E-06	0.00E+00	0.00E+00	0.00E+00
1729	382560.73	3737151.46	2.03E-05	0.00E+00	0.00E+00	0.00E+00	3.13E-06	0.00E+00	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00
1730	382590.73	3737151.46	1.96E-05	0.00E+00	0.00E+00	0.00E+00	3.02E-06	0.00E+00	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00
1731	382620.73	3737151.46	1.90E-05	0.00E+00	0.00E+00	0.00E+00	2.92E-06	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00
1732	382650.73	3737151.46	1.83E-05	0.00E+00	0.00E+00	0.00E+00	2.82E-06	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00
1733	382380.73	3737181.46	2.53E-05	0.00E+00	0.00E+00	0.00E+00	3.91E-06	0.00E+00	0.00E+00	0.00E+00	2.60E-06	0.00E+00	0.00E+00	0.00E+00
1734	382410.73	3737181.46	2.43E-05	0.00E+00	0.00E+00	0.00E+00	3.74E-06	0.00E+00	0.00E+00	0.00E+00	2.48E-06	0.00E+00	0.00E+00	0.00E+00
1735	382440.73	3737181.46	2.33E-05	0.00E+00	0.00E+00	0.00E+00	3.58E-06	0.00E+00	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00
1736	382470.73	3737181.46	2.23E-05	0.00E+00	0.00E+00	0.00E+00	3.44E-06	0.00E+00	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00
1737	382500.73	3737181.46	2.14E-05	0.00E+00	0.00E+00	0.00E+00	3.31E-06	0.00E+00	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00
1738	382530.73	3737181.46	2.06E-05	0.00E+00	0.00E+00	0.00E+00	3.18E-06	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00
1739	382560.73	3737181.46	1.99E-05	0.00E+00	0.00E+00	0.00E+00	3.07E-06	0.00E+00	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00
1740	382590.73	3737181.46	1.92E-05	0.00E+00	0.00E+00	0.00E+00	2.96E-06	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00
1741	381476.72	3735113.39	2.63E-05	0.00E+00	0.00E+00	0.00E+00	4.06E-06	0.00E+00	0.00E+00	0.00E+00	2.70E-06	0.00E+00	0.00E+00	0.00E+00
1742	381490.83	3735122.21	2.68E-05	0.00E+00	0.00E+00	0.00E+00	4.12E-06	0.00E+00	0.00E+00	0.00E+00	2.74E-06	0.00E+00	0.00E+00	0.00E+00
1743	381566.66	3735146.9	2.84E-05	0.00E+00	0.00E+00	0.00E+00	4.37E-06	0.00E+00	0.00E+00	0.00E+00	2.91E-06	0.00E+00	0.00E+00	0.00E+00
1744	381587.82	3735161.01	2.92E-05	0.00E+00	0.00E+00	0.00E+00	4.49E-06	0.00E+00	0.00E+00	0.00E+00	2.99E-06	0.00E+00	0.00E+00	0.00E+00
1745	381646.02	3734944.97	2.27E-05	0.00E+00	0.00E+00	0.00E+00	3.50E-06	0.00E+00	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00
1746	381676.88	3734934.39	2.26E-05	0.00E+00	0.00E+00	0.00E+00	3.49E-06	0.00E+00	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00
1747	381698.04	3734918.52	2.24E-05	0.00E+00	0.00E+00	0.00E+00	3.46E-06	0.00E+00	0.00E+00	0.00E+00	2.30E-06	0.00E+00	0.00E+00	0.00E+00
1748	381713.03	3734911.47	2.24E-05	0.00E+00	0.00E+00	0.00E+00	3.45E-06	0.00E+00	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00
1749	381727.14	3734900	2.22E-05	0.00E+00	0.00E+00	0.00E+00	3.43E-06	0.00E+00	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00
1750	381758	3734882.37	2.20E-05	0.00E+00	0.00E+00	0.00E+00	3.39E-06	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00
1751	381777.4	3734870.91	2.15E-05	0.00E+00	0.00E+00	0.00E+00	3.32E-06	0.00E+00	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00
1752	381805.62	3734854.15	2.12E-05	0.00E+00	0.00E+00	0.00E+00	3.27E-06	0.00E+00	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00
1753	381842.65	3734833.87	2.14E-05	0.00E+00	0.00E+00	0.00E+00	3.30E-06	0.00E+00	0.00E+00	0.00E+00	2.19E-06	0.00E+00	0.00E+00	0.00E+00
1754	381663.65	3734913.23	2.21E-05	0.00E+00	0.00E+00	0.00E+00	3.40E-06	0.00E+00	0.00E+00	0.00E+00	2.26E-06	0.00E+00	0.00E+00	0.00E+00
1755	381373.82	3737708.4	2.36E-04	0.00E+00	0.00E+00	0.00E+00	3.64E-05	0.00E+00	0.00E+00	0.00E+00	2.42E-05	0.00E+00	0.00E+00	0.00E+00
1756	381427.53	3737740.14	2.17E-04	0.00E+00	0.00E+00	0.00E+00	3.35E-05	0.00E+00	0.00E+00	0.00E+00	2.22E-05	0.00E+00	0.00E+00	0.00E+00
1757	381438.51	3737766.99	2.06E-04	0.00E+00	0.00E+00	0.00E+00	3.17E-05	0.00E+00	0.00E+00	0.00E+00	2.11E-05	0.00E+00	0.00E+00	0.00E+00
1758	381395.79	3737762.11	2.14E-04	0.00E+00	0.00E+00	0.00E+00	3.29E-05	0.00E+00	0.00E+00	0.00E+00	2.19E-05	0.00E+00	0.00E+00	0.00E+00
1759	381337.2	3737664.46	2.57E-04	0.00E+00	0.00E+00	0.00E+00	3.95E-05	0.00E+00	0.00E+00	0.00E+00	2.63E-05	0.00E+00	0.00E+00	0.00E+00
1760	381328.66	3737704.74	2.36E-04	0.00E+00	0.00E+00	0.00E+00	3.64E-05	0.00E+00	0.00E+00	0.00E+00	2.42E-05	0.00E+00	0.00E+00	0.00E+00
1761	381267.63	3737726.71	2.20E-04	0.00E+00	0.00E+00	0.00E+00	3.39E-05	0.00E+00	0.00E+00	0.00E+00	2.25E-05	0.00E+00	0.00E+00	0.00E+00
1762	381206.6	3737707.18	2.15E-04	0.00E+00	0.00E+00	0.00E+00	3.32E-05	0.00E+00	0.00E+00	0.00E+00	2.21E-05	0.00E+00	0.00E+00	0.00E+00
1763	381332.32	3737745.02	2.20E-04	0.00E+00	0.00E+00	0.00E+00	3.39E-05	0.00E+00	0.00E+00	0.00E+00	2.25E-05	0.00E+00	0.00E+00	0.00E+00
1764	381366.5	3737734.04	2.25E-04	0.00E+00	0.00E+00	0.00E+00	3.47E-05	0.00E+00	0.00E+00	0.00E+00	2.31E-05	0.00E+00	0.00E+00	0.00E+00
1765	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1766	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1767	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1768	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1769	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1770	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1771	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1772	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1773	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1774	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1775	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1776	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1777	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1778	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1779	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1780	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1781	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1782	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1783	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1784	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1785	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1786	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1787	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1788	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1789	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1790	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1791	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1792	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1793	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1794	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1795	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1796	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1797	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1798	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1799	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1800	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1801	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1802	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1803	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1804	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1805	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1806	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1807	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1808	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1809	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1810	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1811	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1812	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1813	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1814	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1815	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1816	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1817	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1818	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1819	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1820	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1821	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1822	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1823	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1824	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1825	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1826	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1827	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1828	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1829	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1830	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1831	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1832	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1833	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1834	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1835	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1836	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1837	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1838	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1839	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1840	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1841	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1842	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1843	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1844	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1845	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1846	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1847	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1848	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1849	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1850	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1851	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1852	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1853	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1854	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1855	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1856	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1857	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1858	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1859	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1860	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1861	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1862	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1863	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1864	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1865	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1866	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1867	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1868	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1869	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1870	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1871	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1872	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1873	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1874	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1875	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1876	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1877	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1878	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1879	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1880	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1881	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1882	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1883	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1884	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1885	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1886	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1887	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1888	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1889	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1890	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1891	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1892	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1893	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1894	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1895	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1896	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1897	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1898	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1899	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1900	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1901	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1902	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1903	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1904	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1905	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1906	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1907	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1908	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1909	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1910	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1911	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1912	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1913	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1914	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1915	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1916	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1917	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1918	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1919	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1920	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1921	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1922	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1923	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1924	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1925	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1926	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1927	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1928	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1929	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1930	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1931	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1932	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1933	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1934	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1935	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1936	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1937	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1938	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1939	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1940	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1941	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1942	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1943	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1944	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1945	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1946	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1947	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1948	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1949	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1950	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1951	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1952	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1953	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1954	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1955	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1956	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1957	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1958	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1959	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1960	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1961	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1962	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1963	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1964	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1965	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1966	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1967	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1968	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1969	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1970	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1971	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1972	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1973	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1974	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1975	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1976	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1977	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1978	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1979	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1980	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1981	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1982	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1983	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1984	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1985	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1986	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1987	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1988	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1989	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1990	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1991	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1992	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1993	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1994	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1995	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1996	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1997	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1998	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1999	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2000	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2001	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2002	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2003	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2004	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2005	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2006	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2007	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2008	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2009	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2010	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2011	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2012	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2013	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2014	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2015	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2016	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2017	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2018	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2019	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2020	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2021	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2022	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2023	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2024	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2025	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2026	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2027	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2028	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2029	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2030	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2031	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2032	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2033	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2034	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2035	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2036	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2037	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2038	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2039	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2040	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2041	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2042	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2043	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2044	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2045	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2046	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2047	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2048	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2049	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2050	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2051	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2052	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2053	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2054	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2055	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2056	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2057	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2058	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2059	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2060	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2061	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2062	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2063	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2064	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2065	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2066	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2067	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2068	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2069	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2070	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2071	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2072	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2073	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2074	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2075	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2076	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2077	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2078	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2079	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2080	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2081	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2082	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2083	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2084	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2085	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2086	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2087	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2088	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2089	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2090	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2091	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2092	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2093	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2094	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2095	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2096	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2097	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2098	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2099	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2100	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2101	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2102	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2103	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2104	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2105	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2106	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2107	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2108	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2109	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2110	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2111	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2112	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2113	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2114	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2115	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2116	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2117	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2118	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2119	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2120	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2121	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2122	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2123	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2124	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2125	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2126	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2127	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2128	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2129	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2130	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2131	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2132	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2133	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2134	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2135	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2136	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2137	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2138	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2139	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2140	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2141	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2142	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2143	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2144	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2145	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2146	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2147	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2148	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2149	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2150	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2151	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2152	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2153	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2154	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2155	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2156	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2157	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2158	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2159	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2160	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2161	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2162	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2163	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2164	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2165	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2166	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2167	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2168	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2169	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2170	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2171	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2172	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2173	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2174	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2175	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2176	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2177	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2178	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2179	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2180	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2181	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2182	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2183	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2184	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2185	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2186	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2187	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2188	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2189	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2190	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2191	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2192	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2193	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2194	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2195	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2196	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2197	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2198	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2199	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2200	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2201	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2202	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2203	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2204	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2205	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2206	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2207	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2208	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2209	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2210	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2211	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2212	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2213	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2214	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2215	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2216	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2217	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2218	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2219	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2220	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2221	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2222	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2223	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2224	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2225	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2226	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2227	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2228	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2229	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2230	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2231	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2232	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2233	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2234	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2235	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2236	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2237	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2238	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2239	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2240	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2241	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2242	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2243	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2244	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2245	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2246	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2247	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2248	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2249	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2250	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2251	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2252	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2253	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2254	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2255	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2256	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2257	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2258	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2259	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2260	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2261	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2262	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2263	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2264	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2265	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2266	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2267	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2268	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2269	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2270	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2271	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2272	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2273	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2274	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2275	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2276	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2277	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2278	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2279	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2280	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2281	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2282	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2283	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2284	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2285	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2286	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2287	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2288	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2289	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2290	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2291	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2292	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2293	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2294	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2295	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2296	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2297	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2298	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2299	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2300	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2301	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2302	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2303	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2304	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2305	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2306	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2307	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2308	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2309	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2310	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2311	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2312	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2313	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2314	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2315	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2316	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2317	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2318	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2319	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2320	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2321	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2322	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2323	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2324	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2325	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2326	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2327	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2328	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2329	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2330	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2331	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2332	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2333	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2334	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2335	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2336	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2337	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2338	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2339	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2340	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2341	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2342	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2343	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2344	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2345	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2346	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2347	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2348	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2349	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2350	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2351	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2352	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2353	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2354	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2355	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2356	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2357	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2358	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2359	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2360	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2361	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2362	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2363	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2364	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2365	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2366	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2367	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2368	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2369	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2370	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2371	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2372	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2373	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2374	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2375	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2376	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2377	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2378	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2379	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2380	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2381	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2382	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2383	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2384	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2385	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2386	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2387	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2388	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2389	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2390	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2391	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2392	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2393	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2394	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2395	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2396	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2397	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2398	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2399	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2400	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2401	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2402	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2403	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2404	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2405	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2406	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2407	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2408	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2409	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2410	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2411	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2412	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2413	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2414	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2415	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2416	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2417	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2418	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2419	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2420	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2421	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2422	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2423	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2424	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2425	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2426	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2427	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2428	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2429	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2430	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2431	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2432	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2433	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2434	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2435	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2436	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2437	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2438	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2439	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2440	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2441	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2442	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2443	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2444	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2445	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2446	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2447	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2448	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2449	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2450	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2451	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2452	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2453	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2454	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2455	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2456	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2457	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2458	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2459	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2460	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2461	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2462	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2463	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2464	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2465	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2466	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2467	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2468	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2469	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2470	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2471	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2472	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2473	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2474	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2475	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2476	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2477	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2478	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2479	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2480	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2481	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2482	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2483	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2484	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2485	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2486	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2487	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2488	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2489	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2490	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2491	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2492	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2493	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2494	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2495	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2496	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2497	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2498	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2499	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2500	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2501	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2502	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2503	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2504	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2505	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2506	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2507	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2508	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2509	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2510	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2511	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2512	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2513	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2514	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2515	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2516	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2517	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2518	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2519	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2520	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2521	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2522	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2523	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2524	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2525	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2526	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2527	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2528	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2529	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2530	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2531	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2532	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2533	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2534	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2535	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2536	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2537	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2538	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2539	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2540	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2541	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2542	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2543	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2544	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2545	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2546	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2547	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2548	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2549	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2550	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2551	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2552	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2553	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2554	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2555	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2556	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2557	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2558	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2559	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2560	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2561	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2562	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2563	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2564	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2565	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2566	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2567	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2568	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2569	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2570	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2571	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2572	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2573	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2574	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2575	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2576	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2577	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2578	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2579	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2580	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2581	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2582	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2583	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2584	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2585	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2586	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2587	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2588	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2589	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2590	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2591	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2592	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2593	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2594	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2595	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2596	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2597	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2598	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2599	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2600	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2601	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2602	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2603	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2604	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2605	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2606	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2607	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2608	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2609	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2610	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2611	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2612	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2613	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2614	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2615	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2616	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2617	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2618	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2619	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2620	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2621	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2622	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2623	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2624	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2625	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2626	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2627	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2628	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2629	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2630	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2631	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2632	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2633	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2634	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2635	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2636	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2637	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2638	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2639	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2640	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2641	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2642	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2643	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2644	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2645	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2646	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2647	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2648	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2649	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2650	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2651	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2652	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2653	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2654	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2655	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2656	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2657	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2658	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2659	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2660	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2661	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2662	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2663	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2664	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2665	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2666	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2667	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2668	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2669	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2670	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2671	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2672	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2673	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2674	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2675	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2676	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2677	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2678	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2679	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2680	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2681	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2682	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2683	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2684	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2685	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2686	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2687	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2688	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2689	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2690	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2691	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2692	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2693	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2694	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2695	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2696	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2697	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2698	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2699	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2700	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2701	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2702	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2703	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2704	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2705	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2706	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2707	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2708	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2709	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2710	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2711	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2712	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2713	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2714	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2715	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2716	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2717	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2718	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2719	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2720	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2721	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2722	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2723	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2724	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2725	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2726	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2727	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2728	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2729	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2730	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2731	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2732	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2733	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2734	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2735	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2736	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2737	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2738	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2739	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2740	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2741	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2742	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2743	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2744	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2745	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2746	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2747	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2748	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2749	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2750	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2751	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2752	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2753	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2754	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2755	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2756	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2757	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2758	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2759	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2760	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2761	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2762	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2763	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2764	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2765	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2766	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2767	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2768	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2769	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2770	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2771	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2772	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2773	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2774	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2775	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2776	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2777	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2778	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2779	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2780	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2781	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2782	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2783	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2784	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2785	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2786	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2787	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2788	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2789	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2790	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2791	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2792	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2793	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2794	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2795	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2796	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2797	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2798	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2799	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2800	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2801	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2802	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2803	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2804	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2805	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2806	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2807	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2808	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2809	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2810	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2811	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2812	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2813	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2814	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2815	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2816	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2817	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2818	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2819	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2820	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2821	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2822	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2823	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2824	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2825	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2826	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2827	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2828	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2829	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2830	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2831	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2832	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2833	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2834	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2835	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2836	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2837	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2838	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2839	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2840	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2841	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2842	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2843	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2844	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2845	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2846	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2847	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2848	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2849	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2850	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2851	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2852	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2853	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2854	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2855	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2856	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2857	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2858	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2859	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2860	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2861	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2862	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2863	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2864	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2865	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2866	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2867	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2868	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2869	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2870	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2871	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2872	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2873	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2874	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2875	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2876	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2877	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2878	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2879	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2880	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2881	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2882	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2883	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2884	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2885	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2886	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2887	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2888	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2889	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2890	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2891	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2892	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2893	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2894	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2895	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2896	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2897	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2898	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2899	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2900	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2901	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2902	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2903	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2904	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2905	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2906	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2907	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2908	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2909	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2910	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2911	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2912	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2913	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2914	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2915	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2916	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2917	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2918	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2919	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2920	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2921	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2922	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2923	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2924	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2925	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2926	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2927	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2928	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2929	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2930	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2931	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2932	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2933	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2934	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2935	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2936	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2937	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2938	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2939	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2940	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2941	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2942	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2943	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2944	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2945	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2946	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2947	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2948	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2949	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2950	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2951	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2952	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2953	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2954	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2955	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2956	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2957	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2958	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2959	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2960	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2961	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2962	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2963	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2964	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2965	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2966	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2967	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2968	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2969	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2970	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2971	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2972	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2973	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2974	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2975	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2976	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2977	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2978	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2979	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2980	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2981	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2982	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2983	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2984	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2985	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2986	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2987	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2988	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2989	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2990	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2991	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2992	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2993	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2994	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2995	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2996	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2997	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2998	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2999	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3000	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3001	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3002	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3003	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3004	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3005	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3006	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3007	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3008	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3009	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3010	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3011	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3012	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3013	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3014	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3015	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3016	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3017	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3018	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3019	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3020	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3021	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3022	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3023	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3024	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3025	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3026	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3027	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3028	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3029	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3030	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3031	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3032	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3033	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3034	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3035	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3036	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3037	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3038	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3039	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3040	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3041	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3042	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3043	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3044	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3045	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3046	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3047	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3048	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3049	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3050	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3051	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3052	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3053	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3054	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3055	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3056	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3057	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3058	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3059	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3060	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3061	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3062	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3063	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3064	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3065	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3066	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3067	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3068	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3069	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3070	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3071	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3072	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3073	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3074	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3075	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3076	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3077	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3078	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3079	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3080	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3081	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3082	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3083	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3084	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3085	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3086	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3087	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3088	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3089	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3090	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3091	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3092	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3093	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3094	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3095	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3096	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3097	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3098	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3099	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3100	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3101	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3102	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3103	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3104	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3105	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3106	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3107	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3108	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3109	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3110	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3111	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3112	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3113	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3114	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3115	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3116	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3117	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3118	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3119	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3120	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3121	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3122	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3123	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3124	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3125	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3126	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3127	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3128	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3129	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3130	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3131	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3132	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3133	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3134	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3135	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3136	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3137	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3138	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3139	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3140	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3141	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3142	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3143	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3144	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3145	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3146	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3147	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3148	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3149	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3150	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3151	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3152	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3153	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3154	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3155	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3156	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3157	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3158	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3159	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3160	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3161	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3162	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3163	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3164	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3165	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3166	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3167	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3168	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3169	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3170	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3171	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3172	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3173	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3174	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3175	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3176	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3177	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3178	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3179	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3180	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3181	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3182	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3183	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3184	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3185	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3186	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3187	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3188	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3189	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3190	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3191	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3192	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3193	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3194	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3195	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3196	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3197	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3198	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3199	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3200	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3201	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3202	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3203	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3204	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3205	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3206	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3207	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3208	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3209	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3210	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3211	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3212	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3213	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3214	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3215	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3216	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3217	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3218	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3219	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3220	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3221	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3222	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3223	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3224	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3225	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3226	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3227	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3228	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3229	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3230	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3231	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3232	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3233	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3234	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3235	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3236	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3237	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3238	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3239	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3240	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3241	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3242	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3243	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3244	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3245	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3246	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3247	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3248	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3249	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3250	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3251	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3252	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3253	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3254	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3255	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3256	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3257	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3258	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3259	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3260	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3261	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3262	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3263	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3264	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3265	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3266	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3267	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3268	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3269	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3270	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3271	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3272	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3273	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3274	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3275	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3276	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3277	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3278	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3279	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3280	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3281	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3282	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3283	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3284	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3285	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3286	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3287	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3288	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3289	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3290	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3291	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3292	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3293	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3294	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3295	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3296	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3297	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3298	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3299	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3300	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3301	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3302	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3303	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3304	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3305	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3306	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3307	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3308	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3309	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3310	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3311	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3312	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3313	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3314	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3315	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3316	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3317	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3318	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3319	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3320	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3321	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3322	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3323	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3324	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3325	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3326	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3327	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3328	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3329	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3330	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3331	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3332	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3333	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3334	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3335	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3336	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3337	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3338	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3339	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3340	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3341	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3342	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3343	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3344	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3345	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3346	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3347	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3348	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3349	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3350	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3351	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3352	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3353	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3354	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3355	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3356	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3357	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3358	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3359	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3360	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3361	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3362	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3363	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3364	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3365	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3366	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3367	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3368	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3369	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3370	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3371	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3372	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3373	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3374	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3375	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3376	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3377	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3378	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3379	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3380	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3381	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3382	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3383	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3384	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3385	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3386	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3387	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3388	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3389	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3390	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3391	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3392	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3393	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3394	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3395	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3396	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3397	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3398	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3399	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3400	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3401	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3402	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3403	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3404	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3405	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3406	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3407	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3408	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3409	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3410	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3411	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3412	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3413	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3414	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3415	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3416	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3417	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3418	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3419	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3420	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3421	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3422	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3423	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3424	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3425	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3426	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3427	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3428	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3429	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3430	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3431	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3432	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3433	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3434	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3435	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3436	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3437	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3438	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3439	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3440	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3441	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3442	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3443	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3444	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3445	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3446	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3447	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3448	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3449	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3450	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3451	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3452	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3453	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3454	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3455	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3456	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3457	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3458	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3459	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3460	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3461	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3462	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3463	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3464	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3465	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3466	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3467	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3468	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3469	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3470	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3471	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3472	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3473	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3474	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3475	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3476	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3477	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3478	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3479	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3480	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3481	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3482	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3483	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3484	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3485	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3486	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3487	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3488	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3489	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3490	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3491	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3492	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3493	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3494	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3495	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3496	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3497	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3498	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3499	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3500	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3501	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3502	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3503	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3504	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3505	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3506	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3507	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3508	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3509	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3510	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3511	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3512	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3513	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3514	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3515	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3516	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3517	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3518	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3519	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3520	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3521	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3522	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3523	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3524	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3525	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3526	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3527	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3528	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3529	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3530	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3531	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3532	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3533	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3534	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3535	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3536	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3537	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3538	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3539	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3540	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3541	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3542	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3543	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3544	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3545	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3546	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3547	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3548	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3549	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3550	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3551	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3552	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3553	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3554	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3555	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3556	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3557	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3558	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3559	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3560	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3561	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3562	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3563	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3564	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3565	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3566	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3567	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3568	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3569	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3570	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3571	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3572	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3573	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3574	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3575	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3576	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3577	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3578	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3579	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3580	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3581	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3582	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3583	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3584	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3585	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3586	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3587	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3588	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3589	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3590	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3591	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3592	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3593	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3594	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3595	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3596	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3597	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3598	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3599	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3600	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3601	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3602	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3603	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3604	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3605	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3606	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3607	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3608	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3609	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3610	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3611	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3612	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3613	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3614	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3615	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3616	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3617	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3618	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3619	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3620	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3621	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3622	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3623	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3624	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3625	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3626	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3627	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3628	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3629	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3630	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3631	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3632	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3633	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3634	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3635	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3636	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3637	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3638	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3639	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3640	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3641	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3642	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3643	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3644	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3645	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3646	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3647	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3648	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3649	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3650	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3651	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3652	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3653	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3654	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3655	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3656	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3657	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3658	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3659	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3660	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3661	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3662	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3663	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3664	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3665	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3666	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3667	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3668	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3669	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3670	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3671	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3672	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3673	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3674	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3675	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3676	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3677	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3678	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3679	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3680	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3681	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3682	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3683	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3684	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3685	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3686	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3687	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3688	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3689	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3690	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3691	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3692	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3693	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3694	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3695	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3696	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3697	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3698	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3699	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3700	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3701	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3702	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3703	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3704	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3705	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3706	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3707	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3708	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3709	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3710	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3711	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3712	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3713	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3714	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3715	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3716	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3717	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3718	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3719	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3720	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3721	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3722	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3723	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3724	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3725	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3726	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3727	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3728	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3729	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3730	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3731	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3732	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3733	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3734	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3735	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3736	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3737	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3738	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3739	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3740	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3741	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3742	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3743	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3744	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3745	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3746	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3747	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3748	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3749	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3750	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3751	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3752	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3753	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3754	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3755	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3756	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3757	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3758	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3759	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3760	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3761	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3762	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3763	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3764	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3765	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3766	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3767	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3768	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3769	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3770	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3771	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3772	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3773	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3774	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3775	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3776	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3777	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3778	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3779	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3780	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3781	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3782	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3783	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3784	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3785	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3786	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3787	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3788	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3789	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3790	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3791	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3792	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3793	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3794	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3795	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3796	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3797	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3798	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3799	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3800	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3801	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3802	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3803	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3804	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3805	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3806	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3807	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3808	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3809	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3810	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3811	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3812	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3813	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3814	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3815	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3816	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3817	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3818	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3819	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3820	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3821	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3822	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3823	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3824	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3825	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3826	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3827	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3828	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3829	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3830	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3831	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3832	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3833	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3834	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3835	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3836	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3837	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3838	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3839	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3840	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3841	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3842	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3843	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3844	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3845	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3846	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3847	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3848	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3849	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3850	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3851	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3852	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3853	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3854	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3855	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3856	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3857	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3858	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3859	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3860	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3861	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3862	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3863	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3864	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3865	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3866	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3867	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3868	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3869	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3870	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3871	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3872	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3873	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3874	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3875	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3876	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3877	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3878	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3879	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3880	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3881	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3882	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3883	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3884	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3885	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3886	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3887	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3888	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3889	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3890	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3891	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3892	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3893	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3894	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3895	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3896	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3897	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3898	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3899	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3900	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3901	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3902	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3903	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3904	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3905	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3906	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3907	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3908	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3909	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3910	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3911	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3912	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3913	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3914	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3915	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3916	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3917	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3918	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3919	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3920	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3921	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3922	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3923	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3924	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3925	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3926	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3927	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3928	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3929	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3930	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3931	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3932	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3933	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3934	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3935	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3936	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3937	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3938	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3939	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3940	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3941	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3942	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3943	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3944	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3945	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3946	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3947	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3948	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3949	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3950	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3951	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3952	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3953	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3954	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3955	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3956	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3957	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3958	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3959	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3960	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3961	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3962	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3963	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3964	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3965	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3966	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3967	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3968	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3969	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3970	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3971	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3972	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3973	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3974	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3975	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3976	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3977	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3978	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3979	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3980	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3981	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3982	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3983	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3984	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3985	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3986	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3987	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3988	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3989	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3990	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3991	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3992	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3993	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3994	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3995	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3996	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3997	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3998	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3999	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4000	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4001	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4002	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4003	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4004	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4005	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4006	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4007	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4008	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4009	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4010	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4011	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4012	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4013	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4014	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4015	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4016	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4017	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4018	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4019	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4020	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4021	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4022	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4023	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4024	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4025	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4026	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4027	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4028	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4029	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4030	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4031	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4032	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4033	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4034	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4035	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4036	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4037	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4038	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4039	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4040	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4041	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4042	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4043	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4044	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4045	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4046	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

4047	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4048	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4049	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4050	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4051	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4052	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4053	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4054	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4055	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4056	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4057	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4058	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4059	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4060	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4061	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4062	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4063	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4064	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4065	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4066	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4067	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4068	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4069	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4070	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4071	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4072	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4073	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4074	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4075	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4076	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4077	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4078	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4079	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4080	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4081	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4082	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4083	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4084	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4085	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4086	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4087	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4088	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4089	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4090	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4091	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4092	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4093	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4094	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4095	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4096	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4097	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4098	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4099	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4100	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4101	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4102	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4103	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4104	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4105	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4106	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4107	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4108	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4109	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4110	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4111	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4112	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4113	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4114	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4115	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4116	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4117	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4118	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4119	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4120	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4121	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4122	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4123	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4124	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4125	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4126	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4127	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4128	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4129	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4130	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4131	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4132	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4133	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4134	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4135	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4136	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

4137	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4138	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4139	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4140	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4141	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4142	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4143	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4144	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4145	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4146	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4147	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4148	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4149	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4150	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4151	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4152	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4153	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4154	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4155	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4156	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4157	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4158	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4159	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4160	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4161	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4162	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4163	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4164	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4165	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4166	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4167	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4168	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4169	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4170	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4171	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4172	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4173	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4174	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4175	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4176	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4177	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4178	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4179	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4180	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4181	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4182	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4183	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4184	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4185	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4186	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4187	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4188	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4189	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4190	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4191	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4192	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4193	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4194	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4195	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4196	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4197	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4198	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4199	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4200	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4201	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4202	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4203	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4204	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4205	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4206	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4207	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4208	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4209	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4210	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4211	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4212	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4213	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4214	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4215	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4216	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4217	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4218	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4219	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4220	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4221	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4222	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4223	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4224	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4225	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4226	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

4227	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4228	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4229	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4230	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4231	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4232	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4233	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4234	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4235	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4236	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4237	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4238	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4239	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4240	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4241	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4242	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4243	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4244	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4245	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4246	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4247	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4248	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4249	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4250	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4251	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4252	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4253	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4254	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4255	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4256	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4257	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4258	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4259	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4260	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4261	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4262	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4263	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4264	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4265	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4266	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4267	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4268	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4269	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4270	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4271	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4272	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4273	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4274	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4275	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4276	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4277	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4278	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4279	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4280	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4281	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4282	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4283	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4284	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4285	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4286	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4287	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4288	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4289	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4290	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4291	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4292	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4293	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4294	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4295	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4296	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4297	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4298	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4299	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4300	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4301	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4302	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4303	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4304	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4305	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4306	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4307	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4308	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4309	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4310	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4311	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4312	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4313	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4314	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4315	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4316	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

4317	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4318	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4319	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4320	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4321	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4322	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4323	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4324	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4325	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4326	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4327	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4328	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4329	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4330	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4331	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4332	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4333	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4334	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4335	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4336	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4337	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4338	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4339	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4340	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4341	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4342	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4343	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4344	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4345	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4346	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4347	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4348	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4349	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4350	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4351	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4352	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4353	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4354	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4355	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4356	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4357	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4358	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4359	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4360	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4361	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4362	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4363	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4364	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4365	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4366	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4367	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4368	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4369	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4370	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4371	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4372	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4373	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4374	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4375	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4376	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4377	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4378	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4379	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4380	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4381	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4382	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4383	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4384	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4385	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4386	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4387	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4388	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4389	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4390	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4391	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4392	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4393	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4394	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4395	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4396	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4397	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4398	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4399	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4400	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4401	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4402	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4403	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4404	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4405	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4406	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

4407	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4408	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4409	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4410	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4411	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4412	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4413	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4414	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4415	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4416	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4417	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4418	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4419	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4420	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4421	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4422	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4423	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4424	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4425	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4426	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4427	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4428	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4429	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4430	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4431	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4432	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4433	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4434	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4435	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4436	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4437	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4438	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4439	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4440	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4441	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4442	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4443	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4444	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4445	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4446	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4447	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4448	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4449	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4450	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4451	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4452	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4453	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4454	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4455	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4456	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4457	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4458	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4459	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4460	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4461	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4462	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4463	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4464	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4465	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4466	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4467	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4468	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4469	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4470	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4471	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4472	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4473	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4474	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4475	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4476	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4477	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4478	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4479	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4480	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4481	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4482	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4483	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4484	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4485	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4486	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4487	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4488	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4489	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4490	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4491	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4492	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4493	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4494	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4495	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4496	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

4497	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4498	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4499	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4500	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4501	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4502	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4503	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4504	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4505	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4506	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4507	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4508	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4509	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4510	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4511	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4512	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4513	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4514	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4515	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4516	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4517	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4518	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4519	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4520	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4521	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4522	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4523	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4524	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4525	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4526	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4527	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4528	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4529	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4530	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4531	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4532	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4533	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4534	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4535	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4536	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4537	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4538	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4539	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4540	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4541	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4542	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4543	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4544	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4545	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4546	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4547	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4548	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4549	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4550	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4551	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4552	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4553	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4554	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4555	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4556	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4557	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4558	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4559	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4560	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4561	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4562	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4563	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4564	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4565	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4566	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4567	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4568	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4569	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4570	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4571	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4572	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4573	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4574	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4575	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4576	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4577	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4578	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4579	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4580	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4581	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4582	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4583	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4584	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4585	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4586	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

4587	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4588	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4589	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4590	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4591	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4592	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4593	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4594	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4595	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4596	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4597	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4598	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4599	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4600	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4601	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4602	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4603	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4604	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4605	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4606	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4607	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4608	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4609	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4610	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4611	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4612	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4613	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4614	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4615	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4616	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4617	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4618	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4619	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4620	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4621	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4622	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4623	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4624	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4625	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4626	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4627	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4628	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4629	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4630	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4631	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4632	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4633	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4634	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4635	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4636	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4637	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4638	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4639	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4640	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4641	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4642	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4643	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4644	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4645	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4646	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4647	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4648	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4649	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4650	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4651	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4652	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4653	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4654	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4655	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4656	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4657	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4658	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4659	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4660	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4661	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4662	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4663	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4664	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4665	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4666	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4667	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4668	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4669	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4670	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4671	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4672	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4673	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4674	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4675	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4676	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

4677	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4678	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4679	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4680	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4681	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4682	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4683	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4684	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4685	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4686	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4687	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4688	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4689	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4690	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4691	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4692	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4693	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4694	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4695	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4696	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4697	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4698	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4699	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4700	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4701	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4702	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4703	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4704	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4705	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4706	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4707	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4708	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4709	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4710	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4711	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4712	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4713	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4714	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4715	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4716	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4717	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4718	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4719	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4720	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4721	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4722	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4723	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4724	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4725	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4726	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4727	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4728	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4729	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4730	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4731	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4732	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4733	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4734	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4735	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4736	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4737	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4738	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4739	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4740	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4741	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4742	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4743	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4744	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4745	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4746	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4747	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4748	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4749	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4750	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4751	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4752	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4753	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4754	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4755	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4756	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4757	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4758	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4759	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4760	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4761	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4762	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4763	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4764	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4765	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4766	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

4767	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4768	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4769	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4770	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4771	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4772	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4773	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4774	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4775	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4776	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4777	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4778	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4779	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4780	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4781	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4782	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4783	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4784	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4785	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4786	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4787	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4788	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4789	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4790	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4791	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4792	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4793	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4794	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4795	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4796	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4797	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4798	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4799	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4800	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4801	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4802	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4803	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4804	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4805	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4806	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4807	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4808	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4809	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4810	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4811	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4812	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4813	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4814	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4815	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4816	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4817	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4818	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4819	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4820	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4821	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4822	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4823	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4824	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4825	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4826	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4827	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4828	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4829	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4830	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4831	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4832	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4833	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4834	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4835	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4836	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4837	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4838	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4839	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4840	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4841	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4842	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4843	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4844	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4845	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4846	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4847	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4848	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4849	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4850	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4851	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4852	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4853	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4854	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4855	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4856	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

4857	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4858	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4859	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4860	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4861	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4862	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4863	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4864	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4865	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4866	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4867	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4868	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4869	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4870	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4871	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4872	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4873	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4874	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4875	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4876	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4877	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4878	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4879	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4880	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4881	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4882	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4883	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4884	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4885	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4886	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4887	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4888	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4889	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4890	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4891	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4892	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4893	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4894	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4895	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4896	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4897	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4898	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4899	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4900	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4901	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4902	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4903	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4904	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4905	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4906	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4907	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4908	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4909	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4910	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4911	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4912	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4913	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4914	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4915	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4916	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4917	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4918	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4919	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4920	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4921	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4922	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4923	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4924	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4925	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4926	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4927	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4928	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4929	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4930	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4931	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4932	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4933	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4934	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4935	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4936	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4937	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4938	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4939	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4940	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4941	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4942	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4943	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4944	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4945	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4946	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

4947	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4948	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4949	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4950	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4951	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4952	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4953	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4954	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4955	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4956	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4957	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4958	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4959	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4960	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4961	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4962	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4963	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4964	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4965	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4966	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4967	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4968	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4969	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4970	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4971	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4972	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4973	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4974	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4975	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4976	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4977	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4978	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4979	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4980	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4981	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4982	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4983	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4984	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4985	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4986	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4987	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4988	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4989	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4990	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4991	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4992	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4993	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4994	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4995	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4996	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4997	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4998	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4999	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5000	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5001	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5002	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5003	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5004	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5005	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5006	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5007	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5008	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5009	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5010	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5011	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5012	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5013	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5014	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5015	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5016	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5017	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5018	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5019	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5020	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5021	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5022	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5023	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5024	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5025	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5026	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5027	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5028	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5029	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5030	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5031	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5032	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5033	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5034	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5035	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5036	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5037	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5038	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5039	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5040	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5041	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5042	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5043	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5044	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5045	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5046	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5047	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5048	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5049	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5050	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5051	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5052	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5053	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5054	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5055	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5056	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5057	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5058	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5059	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5060	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5061	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5062	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5063	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5064	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5065	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5066	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5067	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5068	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5069	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5070	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5071	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5072	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5073	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5074	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5075	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5076	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5077	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5078	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5079	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5080	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5081	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5082	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5083	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5084	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5085	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5086	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5087	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5088	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5089	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5090	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5091	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5092	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5093	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5094	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5095	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5096	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5097	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5098	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5099	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5100	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5101	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5102	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5103	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5104	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5105	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5106	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5107	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5108	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5109	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5110	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5111	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5112	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5113	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5114	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5115	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5116	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5117	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5118	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5119	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5120	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5121	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5122	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5123	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5124	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5125	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5126	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5127	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5128	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5129	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5130	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5131	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5132	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5133	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5134	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5135	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5136	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5137	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5138	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5139	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5140	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5141	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5142	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5143	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5144	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5145	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5146	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5147	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5148	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5149	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5150	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5151	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5152	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5153	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5154	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5155	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5156	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5157	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5158	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5159	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5160	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5161	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5162	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5163	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5164	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5165	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5166	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5167	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5168	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5169	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5170	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5171	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5172	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5173	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5174	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5175	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5176	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5177	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5178	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5179	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5180	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5181	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5182	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5183	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5184	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5185	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5186	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5187	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5188	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5189	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5190	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5191	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5192	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5193	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5194	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5195	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5196	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5197	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5198	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5199	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5200	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5201	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5202	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5203	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5204	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5205	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5206	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5207	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5208	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5209	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5210	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5211	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5212	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5213	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5214	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5215	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5216	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5217	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5218	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5219	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5220	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5221	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5222	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5223	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5224	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5225	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5226	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5227	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5228	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5229	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5230	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5231	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5232	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5233	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5234	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5235	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5236	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5237	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5238	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5239	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5240	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5241	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5242	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5243	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5244	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5245	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5246	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5247	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5248	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5249	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5250	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5251	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5252	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5253	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5254	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5255	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5256	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5257	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5258	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5259	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5260	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5261	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5262	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5263	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5264	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5265	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5266	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5267	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5268	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5269	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5270	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5271	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5272	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5273	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5274	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5275	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5276	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5277	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5278	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5279	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5280	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5281	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5282	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5283	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5284	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5285	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5286	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5287	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5288	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5289	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5290	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5291	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5292	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5293	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5294	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5295	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5296	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5297	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5298	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5299	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5300	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5301	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5302	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5303	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5304	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5305	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5306	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5307	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5308	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5309	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5310	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5311	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5312	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5313	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5314	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5315	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5316	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5317	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5318	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5319	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5320	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5321	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5322	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5323	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5324	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5325	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5326	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5327	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5328	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5329	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5330	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5331	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5332	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5333	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5334	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5335	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5336	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5337	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5338	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5339	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5340	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5341	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5342	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5343	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5344	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5345	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5346	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5347	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5348	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5349	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5350	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5351	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5352	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5353	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5354	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5355	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5356	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5357	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5358	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5359	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5360	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5361	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5362	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5363	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5364	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5365	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5366	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5367	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5368	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5369	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5370	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5371	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5372	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5373	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5374	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5375	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5376	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5377	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5378	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5379	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5380	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5381	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5382	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5383	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5384	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5385	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5386	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5387	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5388	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5389	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5390	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5391	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5392	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5393	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5394	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5395	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5396	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5397	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5398	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5399	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5400	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5401	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5402	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5403	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5404	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5405	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5406	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5407	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5408	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5409	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5410	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5411	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5412	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5413	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5414	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5415	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5416	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5417	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5418	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5419	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5420	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5421	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5422	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5423	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5424	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5425	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5426	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5427	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5428	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5429	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5430	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5431	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5432	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5433	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5434	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5435	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5436	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5437	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5438	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5439	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5440	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5441	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5442	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5443	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5444	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5445	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5446	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5447	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5448	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5449	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5450	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5451	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5452	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5453	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5454	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5455	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5456	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5457	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5458	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5459	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5460	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5461	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5462	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5463	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5464	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5465	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5466	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5467	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5468	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5469	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5470	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5471	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5472	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5473	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5474	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5475	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5476	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5477	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5478	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5479	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5480	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5481	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5482	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5483	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5484	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5485	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5486	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5487	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5488	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5489	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5490	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5491	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5492	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5493	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5494	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5495	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5496	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5497	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5498	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5499	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5500	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5501	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5502	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5503	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5504	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5505	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5506	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5507	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5508	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5509	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5510	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5511	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5512	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5513	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5514	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5515	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5516	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5517	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5518	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5519	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5520	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5521	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5522	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5523	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5524	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5525	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5526	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5527	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5528	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5529	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5530	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5531	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5532	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5533	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5534	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5535	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5536	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5537	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5538	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5539	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5540	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5541	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5542	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5543	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5544	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5545	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5546	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5547	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5548	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5549	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5550	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5551	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5552	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5553	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5554	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5555	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5556	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5557	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5558	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5559	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5560	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5561	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5562	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5563	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5564	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5565	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5566	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5567	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5568	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5569	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5570	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5571	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5572	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5573	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5574	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5575	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5576	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5577	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5578	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5579	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5580	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5581	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5582	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5583	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5584	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5585	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5586	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5587	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5588	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5589	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5590	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5591	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5592	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5593	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5594	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5595	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5596	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5597	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5598	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5599	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5600	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5601	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5602	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5603	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5604	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5605	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5606	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5607	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5608	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5609	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5610	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5611	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5612	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5613	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5614	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5615	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5616	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5617	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5618	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5619	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5620	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5621	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5622	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5623	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5624	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5625	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5626	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5627	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5628	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5629	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5630	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5631	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5632	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5633	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5634	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5635	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5636	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5637	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5638	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5639	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5640	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5641	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5642	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5643	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5644	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5645	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5646	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5647	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5648	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5649	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5650	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5651	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5652	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5653	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5654	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5655	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5656	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5657	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5658	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5659	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5660	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5661	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5662	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5663	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5664	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5665	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5666	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5667	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5668	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5669	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5670	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5671	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5672	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5673	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5674	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5675	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5676	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5677	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5678	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5679	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5680	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5681	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5682	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5683	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5684	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5685	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5686	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5687	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5688	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5689	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5690	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5691	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5692	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5693	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5694	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5695	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5696	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5697	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5698	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5699	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5700	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5701	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5702	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5703	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5704	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5705	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5706	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5707	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5708	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5709	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5710	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5711	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5712	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5713	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5714	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5715	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5716	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5717	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5718	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5719	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5720	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5721	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5722	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5723	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5724	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5725	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5726	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5727	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5728	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5729	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5730	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5731	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5732	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5733	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5734	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5735	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5736	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5737	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5738	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5739	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5740	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5741	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5742	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5743	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5744	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5745	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5746	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5747	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5748	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5749	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5750	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5751	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5752	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5753	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5754	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5755	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5756	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5757	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5758	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5759	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5760	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5761	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5762	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5763	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5764	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5765	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5766	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5767	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5768	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5769	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5770	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5771	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5772	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5773	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5774	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5775	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5776	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5777	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5778	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5779	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5780	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5781	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5782	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5783	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5784	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5785	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5786	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5787	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5788	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5789	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5790	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5791	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5792	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5793	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5794	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5795	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5796	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5797	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5798	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5799	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5800	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5801	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5802	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5803	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5804	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5805	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5806	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5807	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5808	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5809	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5810	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5811	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5812	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5813	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5814	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5815	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5816	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5817	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5818	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5819	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5820	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5821	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5822	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5823	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5824	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5825	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5826	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5827	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5828	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5829	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5830	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5831	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5832	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5833	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5834	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5835	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5836	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5837	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5838	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5839	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5840	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5841	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5842	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5843	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5844	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5845	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5846	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5847	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5848	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5849	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5850	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5851	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5852	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5853	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5854	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5855	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5856	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5857	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5858	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5859	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5860	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5861	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5862	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5863	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5864	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5865	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5866	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5867	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5868	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5869	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5870	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5871	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5872	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5873	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5874	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5875	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5876	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5877	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5878	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5879	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5880	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5881	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5882	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5883	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5884	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5885	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5886	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5887	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5888	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5889	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5890	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5891	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5892	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5893	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5894	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5895	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5896	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5897	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5898	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5899	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5900	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5901	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5902	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5903	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5904	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5905	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5906	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5907	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5908	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5909	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5910	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5911	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5912	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5913	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5914	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5915	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5916	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5917	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5918	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5919	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5920	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5921	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5922	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5923	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5924	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5925	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5926	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5927	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5928	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5929	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5930	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5931	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5932	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5933	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5934	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5935	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5936	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5937	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5938	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5939	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5940	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5941	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5942	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5943	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5944	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5945	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5946	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5947	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5948	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5949	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5950	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5951	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5952	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5953	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5954	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5955	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5956	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5957	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5958	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5959	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5960	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5961	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5962	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5963	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5964	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5965	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5966	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5967	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5968	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5969	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5970	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5971	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5972	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5973	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5974	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5975	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5976	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5977	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5978	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5979	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5980	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5981	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5982	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5983	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5984	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5985	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5986	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5987	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5988	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5989	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5990	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5991	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5992	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5993	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5994	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5995	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5996	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5997	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5998	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5999	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6000	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6001	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6002	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6003	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6004	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6005	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6006	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6007	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6008	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6009	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6010	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6011	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6012	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6013	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6014	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6015	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6016	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6017	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6018	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6019	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6020	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6021	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6022	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6023	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6024	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6025	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6026	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

6027	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6028	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6029	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6030	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6031	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6032	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6033	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6034	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6035	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6036	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6037	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6038	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6039	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6040	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6041	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6042	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6043	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6044	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6045	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6046	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6047	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6048	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6049	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6050	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6051	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6052	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6053	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6054	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6055	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6056	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6057	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6058	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6059	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6060	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6061	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6062	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6063	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6064	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6065	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6066	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6067	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6068	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6069	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6070	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6071	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6072	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6073	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6074	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6075	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6076	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6077	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6078	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6079	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6080	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6081	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6082	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6083	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6084	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6085	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6086	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6087	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6088	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6089	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6090	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6091	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6092	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6093	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6094	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6095	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6096	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6097	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6098	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6099	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6100	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6101	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6102	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6103	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6104	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6105	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6106	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6107	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6108	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6109	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6110	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6111	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6112	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6113	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6114	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6115	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6116	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

6117	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6118	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6119	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6120	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6121	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6122	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6123	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6124	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6125	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6126	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6127	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6128	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6129	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6130	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6131	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6132	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6133	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6134	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6135	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6136	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6137	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6138	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6139	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6140	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6141	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6142	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6143	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6144	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6145	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6146	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6147	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6148	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6149	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6150	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6151	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6152	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6153	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6154	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6155	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6156	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6157	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6158	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6159	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6160	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6161	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6162	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6163	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6164	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6165	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6166	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6167	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6168	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6169	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6170	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6171	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6172	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6173	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6174	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6175	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6176	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6177	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6178	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6179	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6180	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6181	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6182	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6183	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6184	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6185	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6186	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6187	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6188	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6189	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6190	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6191	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6192	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6193	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6194	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6195	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6196	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6197	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6198	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6199	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6200	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6201	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6202	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6203	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6204	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6205	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6206	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

6207	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6208	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6209	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6210	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6211	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6212	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6213	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6214	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6215	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6216	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6217	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6218	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6219	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6220	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6221	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6222	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6223	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6224	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6225	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6226	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6227	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6228	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6229	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6230	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6231	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6232	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6233	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6234	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6235	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6236	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6237	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6238	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6239	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6240	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6241	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6242	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6243	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6244	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6245	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6246	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6247	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6248	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6249	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6250	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6251	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6252	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6253	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6254	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6255	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6256	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6257	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6258	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6259	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6260	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6261	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6262	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6263	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6264	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6265	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6266	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6267	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6268	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6269	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6270	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6271	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6272	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6273	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6274	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6275	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6276	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6277	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6278	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6279	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6280	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6281	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6282	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6283	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6284	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6285	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6286	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6287	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6288	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6289	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6290	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6291	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6292	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6293	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6294	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6295	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6296	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

6297	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6298	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6299	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6300	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6301	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6302	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6303	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6304	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6305	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6306	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6307	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6308	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

			1385	380763.90	3736238.46
	Max Yr	**1**	T3	T3L3	T4
	Row	**18**	2.22E-02	3.42E-03	2.28E-03
		Col	**3**	**4**	**5**
		Adjustment	**100%**	**15%**	**10%**
			Year 1	Year 1	Year 1
1	381726.08	3737269.37	6.31E-04	9.72E-05	6.46E-05
2	381756.08	3737269.37	5.59E-04	8.62E-05	5.73E-05
3	381786.08	3737269.37	4.99E-04	7.70E-05	5.12E-05
4	381816.08	3737269.37	4.49E-04	6.92E-05	4.60E-05
5	381846.08	3737269.37	4.07E-04	6.27E-05	4.17E-05
6	381876.08	3737269.37	3.70E-04	5.70E-05	3.79E-05
7	381906.08	3737269.37	3.38E-04	5.21E-05	3.46E-05
8	381936.08	3737269.37	3.10E-04	4.78E-05	3.18E-05
9	381966.08	3737269.37	2.86E-04	4.40E-05	2.93E-05
10	381996.08	3737269.37	2.64E-04	4.07E-05	2.71E-05
11	382026.08	3737269.37	2.45E-04	3.78E-05	2.51E-05
12	382056.08	3737269.37	2.28E-04	3.51E-05	2.34E-05
13	382086.08	3737269.37	2.13E-04	3.28E-05	2.18E-05
14	382116.08	3737269.37	1.99E-04	3.07E-05	2.04E-05
15	382146.08	3737269.37	1.87E-04	2.88E-05	1.91E-05
16	382176.08	3737269.37	1.76E-04	2.71E-05	1.80E-05
17	382206.08	3737269.37	1.66E-04	2.55E-05	1.70E-05
18	382236.08	3737269.37	1.56E-04	2.41E-05	1.60E-05
19	382266.08	3737269.37	1.48E-04	2.28E-05	1.52E-05
20	382296.08	3737269.37	1.41E-04	2.17E-05	1.44E-05
21	382326.08	3737269.37	1.34E-04	2.06E-05	1.37E-05
22	381726.08	3737284.44	6.33E-04	9.75E-05	6.48E-05
23	381756.08	3737284.44	5.61E-04	8.65E-05	5.75E-05
24	381786.08	3737284.44	5.01E-04	7.72E-05	5.13E-05
25	381816.08	3737284.44	4.51E-04	6.95E-05	4.62E-05
26	381846.08	3737284.44	4.08E-04	6.28E-05	4.18E-05
27	381876.08	3737284.44	3.71E-04	5.71E-05	3.80E-05
28	381906.08	3737284.44	3.39E-04	5.22E-05	3.47E-05
29	381936.08	3737284.44	3.11E-04	4.79E-05	3.18E-05
30	381966.08	3737284.44	2.86E-04	4.41E-05	2.93E-05
31	381996.08	3737284.44	2.65E-04	4.08E-05	2.71E-05
32	382026.08	3737284.44	2.45E-04	3.78E-05	2.51E-05
33	382056.08	3737284.44	2.28E-04	3.52E-05	2.34E-05
34	382086.08	3737284.44	2.13E-04	3.28E-05	2.18E-05
35	382116.08	3737284.44	1.99E-04	3.07E-05	2.04E-05
36	382146.08	3737284.44	1.87E-04	2.88E-05	1.91E-05
37	382176.08	3737284.44	1.76E-04	2.71E-05	1.80E-05
38	382206.08	3737284.44	1.66E-04	2.55E-05	1.70E-05
39	382236.08	3737284.44	1.56E-04	2.41E-05	1.60E-05

40	382266.08	3737284.44	1.48E-04	2.28E-05	1.52E-05
41	382296.08	3737284.44	1.40E-04	2.16E-05	1.44E-05
42	382326.08	3737284.44	1.33E-04	2.05E-05	1.37E-05
43	381726.08	3737299.51	6.35E-04	9.78E-05	6.50E-05
44	381756.08	3737299.51	5.63E-04	8.68E-05	5.77E-05
45	381786.08	3737299.51	5.03E-04	7.75E-05	5.15E-05
46	381816.08	3737299.51	4.52E-04	6.97E-05	4.63E-05
47	381846.08	3737299.51	4.09E-04	6.30E-05	4.19E-05
48	381876.08	3737299.51	3.72E-04	5.73E-05	3.81E-05
49	381906.08	3737299.51	3.40E-04	5.24E-05	3.48E-05
50	381936.08	3737299.51	3.12E-04	4.80E-05	3.19E-05
51	381966.08	3737299.51	2.87E-04	4.42E-05	2.94E-05
52	381996.08	3737299.51	2.65E-04	4.09E-05	2.72E-05
53	382026.08	3737299.51	2.46E-04	3.79E-05	2.52E-05
54	382056.08	3737299.51	2.29E-04	3.52E-05	2.34E-05
55	382086.08	3737299.51	2.13E-04	3.29E-05	2.18E-05
56	382116.08	3737299.51	1.99E-04	3.07E-05	2.04E-05
57	382146.08	3737299.51	1.87E-04	2.88E-05	1.91E-05
58	382176.08	3737299.51	1.76E-04	2.71E-05	1.80E-05
59	382206.08	3737299.51	1.65E-04	2.55E-05	1.69E-05
60	382236.08	3737299.51	1.56E-04	2.41E-05	1.60E-05
61	382266.08	3737299.51	1.48E-04	2.28E-05	1.51E-05
62	382296.08	3737299.51	1.40E-04	2.16E-05	1.43E-05
63	382326.08	3737299.51	1.33E-04	2.05E-05	1.36E-05
64	381726.08	3737314.58	6.37E-04	9.81E-05	6.52E-05
65	381756.08	3737314.58	5.65E-04	8.70E-05	5.78E-05
66	381786.08	3737314.58	5.04E-04	7.77E-05	5.17E-05
67	381816.08	3737314.58	4.53E-04	6.99E-05	4.64E-05
68	381846.08	3737314.58	4.10E-04	6.32E-05	4.20E-05
69	381876.08	3737314.58	3.73E-04	5.75E-05	3.82E-05
70	381906.08	3737314.58	3.41E-04	5.25E-05	3.49E-05
71	381936.08	3737314.58	3.13E-04	4.82E-05	3.20E-05
72	381966.08	3737314.58	2.88E-04	4.43E-05	2.95E-05
73	381996.08	3737314.58	2.66E-04	4.10E-05	2.72E-05
74	382026.08	3737314.58	2.46E-04	3.80E-05	2.52E-05
75	382056.08	3737314.58	2.29E-04	3.53E-05	2.35E-05
76	382086.08	3737314.58	2.14E-04	3.29E-05	2.19E-05
77	382116.08	3737314.58	2.00E-04	3.08E-05	2.05E-05
78	382146.08	3737314.58	1.87E-04	2.88E-05	1.92E-05
79	382176.08	3737314.58	1.76E-04	2.71E-05	1.80E-05
80	382206.08	3737314.58	1.66E-04	2.55E-05	1.70E-05
81	382236.08	3737314.58	1.56E-04	2.41E-05	1.60E-05
82	382266.08	3737314.58	1.48E-04	2.28E-05	1.51E-05
83	382296.08	3737314.58	1.40E-04	2.16E-05	1.43E-05
84	382326.08	3737314.58	1.33E-04	2.05E-05	1.36E-05
85	381726.08	3737329.65	6.38E-04	9.84E-05	6.54E-05
86	381756.08	3737329.65	5.66E-04	8.73E-05	5.80E-05

87	381786.08	3737329.65	5.06E-04	7.80E-05	5.18E-05
88	381816.08	3737329.65	4.55E-04	7.01E-05	4.66E-05
89	381846.08	3737329.65	4.12E-04	6.34E-05	4.22E-05
90	381876.08	3737329.65	3.74E-04	5.77E-05	3.83E-05
91	381906.08	3737329.65	3.42E-04	5.27E-05	3.50E-05
92	381936.08	3737329.65	3.13E-04	4.83E-05	3.21E-05
93	381966.08	3737329.65	2.89E-04	4.45E-05	2.96E-05
94	381996.08	3737329.65	2.66E-04	4.11E-05	2.73E-05
95	382026.08	3737329.65	2.47E-04	3.81E-05	2.53E-05
96	382056.08	3737329.65	2.30E-04	3.54E-05	2.35E-05
97	382086.08	3737329.65	2.14E-04	3.30E-05	2.19E-05
98	382116.08	3737329.65	2.00E-04	3.08E-05	2.05E-05
99	382146.08	3737329.65	1.88E-04	2.89E-05	1.92E-05
100	382176.08	3737329.65	1.76E-04	2.71E-05	1.80E-05
101	382206.08	3737329.65	1.66E-04	2.55E-05	1.70E-05
102	382236.08	3737329.65	1.56E-04	2.41E-05	1.60E-05
103	382266.08	3737329.65	1.48E-04	2.28E-05	1.51E-05
104	382296.08	3737329.65	1.40E-04	2.16E-05	1.43E-05
105	382326.08	3737329.65	1.33E-04	2.05E-05	1.36E-05
106	381726.08	3737344.72	6.40E-04	9.86E-05	6.55E-05
107	381756.08	3737344.72	5.68E-04	8.75E-05	5.81E-05
108	381786.08	3737344.72	5.07E-04	7.82E-05	5.19E-05
109	381816.08	3737344.72	4.56E-04	7.03E-05	4.67E-05
110	381846.08	3737344.72	4.13E-04	6.36E-05	4.23E-05
111	381876.08	3737344.72	3.75E-04	5.79E-05	3.85E-05
112	381906.08	3737344.72	3.43E-04	5.29E-05	3.51E-05
113	381936.08	3737344.72	3.14E-04	4.85E-05	3.22E-05
114	381966.08	3737344.72	2.89E-04	4.46E-05	2.96E-05
115	381996.08	3737344.72	2.67E-04	4.12E-05	2.74E-05
116	382026.08	3737344.72	2.48E-04	3.82E-05	2.54E-05
117	382056.08	3737344.72	2.30E-04	3.55E-05	2.36E-05
118	382086.08	3737344.72	2.15E-04	3.31E-05	2.20E-05
119	382116.08	3737344.72	2.00E-04	3.09E-05	2.05E-05
120	382146.08	3737344.72	1.88E-04	2.90E-05	1.92E-05
121	382176.08	3737344.72	1.76E-04	2.72E-05	1.81E-05
122	382206.08	3737344.72	1.66E-04	2.56E-05	1.70E-05
123	382236.08	3737344.72	1.57E-04	2.41E-05	1.60E-05
124	382266.08	3737344.72	1.48E-04	2.28E-05	1.52E-05
125	382296.08	3737344.72	1.40E-04	2.16E-05	1.43E-05
126	382326.08	3737344.72	1.33E-04	2.05E-05	1.36E-05
127	381726.08	3737359.79	6.41E-04	9.88E-05	6.56E-05
128	381756.08	3737359.79	5.69E-04	8.77E-05	5.83E-05
129	381786.08	3737359.79	5.08E-04	7.84E-05	5.21E-05
130	381816.08	3737359.79	4.58E-04	7.06E-05	4.69E-05
131	381846.08	3737359.79	4.14E-04	6.39E-05	4.24E-05
132	381876.08	3737359.79	3.77E-04	5.81E-05	3.86E-05
133	381906.08	3737359.79	3.44E-04	5.30E-05	3.52E-05

134	381936.08	3737359.79	3.16E-04	4.86E-05	3.23E-05
135	381966.08	3737359.79	2.90E-04	4.48E-05	2.97E-05
136	381996.08	3737359.79	2.68E-04	4.13E-05	2.75E-05
137	382026.08	3737359.79	2.48E-04	3.83E-05	2.54E-05
138	382056.08	3737359.79	2.31E-04	3.56E-05	2.37E-05
139	382086.08	3737359.79	2.15E-04	3.32E-05	2.20E-05
140	382116.08	3737359.79	2.01E-04	3.10E-05	2.06E-05
141	382146.08	3737359.79	1.88E-04	2.90E-05	1.93E-05
142	382176.08	3737359.79	1.77E-04	2.72E-05	1.81E-05
143	382206.08	3737359.79	1.66E-04	2.56E-05	1.70E-05
144	382236.08	3737359.79	1.57E-04	2.42E-05	1.61E-05
145	382266.08	3737359.79	1.48E-04	2.28E-05	1.52E-05
146	382296.08	3737359.79	1.40E-04	2.16E-05	1.44E-05
147	382326.08	3737359.79	1.33E-04	2.05E-05	1.36E-05
148	381726.08	3737374.86	6.42E-04	9.89E-05	6.57E-05
149	381756.08	3737374.86	5.70E-04	8.78E-05	5.84E-05
150	381786.08	3737374.86	5.09E-04	7.84E-05	5.21E-05
151	381816.08	3737374.86	4.59E-04	7.08E-05	4.71E-05
152	381846.08	3737374.86	4.16E-04	6.41E-05	4.26E-05
153	381876.08	3737374.86	3.78E-04	5.83E-05	3.87E-05
154	381906.08	3737374.86	3.45E-04	5.32E-05	3.54E-05
155	381936.08	3737374.86	3.17E-04	4.88E-05	3.24E-05
156	381966.08	3737374.86	2.91E-04	4.49E-05	2.98E-05
157	381996.08	3737374.86	2.69E-04	4.15E-05	2.76E-05
158	382026.08	3737374.86	2.49E-04	3.84E-05	2.55E-05
159	382056.08	3737374.86	2.32E-04	3.57E-05	2.37E-05
160	382086.08	3737374.86	2.16E-04	3.33E-05	2.21E-05
161	382116.08	3737374.86	2.02E-04	3.11E-05	2.07E-05
162	382146.08	3737374.86	1.89E-04	2.91E-05	1.93E-05
163	382176.08	3737374.86	1.77E-04	2.73E-05	1.82E-05
164	382206.08	3737374.86	1.67E-04	2.57E-05	1.71E-05
165	382236.08	3737374.86	1.57E-04	2.42E-05	1.61E-05
166	382266.08	3737374.86	1.48E-04	2.29E-05	1.52E-05
167	382296.08	3737374.86	1.40E-04	2.16E-05	1.44E-05
168	382326.08	3737374.86	1.33E-04	2.05E-05	1.36E-05
169	380799.03	3737078.19	1.13E-03	1.74E-04	1.16E-04
170	380829.03	3737078.19	1.26E-03	1.95E-04	1.29E-04
171	380859.03	3737078.19	1.42E-03	2.19E-04	1.45E-04
172	380889.03	3737078.19	1.61E-03	2.48E-04	1.65E-04
173	380919.03	3737078.19	1.81E-03	2.79E-04	1.85E-04
174	380949.03	3737078.19	2.00E-03	3.08E-04	2.04E-04
175	380979.03	3737078.19	2.20E-03	3.38E-04	2.25E-04
176	381009.03	3737078.19	2.46E-03	3.79E-04	2.52E-04
177	381039.03	3737078.19	2.79E-03	4.31E-04	2.86E-04
178	381069.03	3737078.19	3.12E-03	4.82E-04	3.20E-04
179	381099.03	3737078.19	3.53E-03	5.44E-04	3.61E-04
180	381129.03	3737078.19	4.13E-03	6.36E-04	4.23E-04

181	381159.03	3737078.19	5.02E-03	7.74E-04	5.14E-04
182	381189.03	3737078.19	6.05E-03	9.33E-04	6.20E-04
183	381219.03	3737078.19	7.33E-03	1.13E-03	7.51E-04
184	381249.03	3737078.19	9.53E-03	1.47E-03	9.76E-04
185	380799.03	3737108.19	1.06E-03	1.63E-04	1.08E-04
186	380829.03	3737108.19	1.18E-03	1.82E-04	1.21E-04
187	380859.03	3737108.19	1.32E-03	2.03E-04	1.35E-04
188	380889.03	3737108.19	1.49E-03	2.30E-04	1.53E-04
189	380919.03	3737108.19	1.68E-03	2.58E-04	1.72E-04
190	380949.03	3737108.19	1.85E-03	2.85E-04	1.89E-04
191	380979.03	3737108.19	2.05E-03	3.15E-04	2.10E-04
192	381009.03	3737108.19	2.32E-03	3.57E-04	2.37E-04
193	381039.03	3737108.19	2.62E-03	4.04E-04	2.68E-04
194	381069.03	3737108.19	2.92E-03	4.50E-04	2.99E-04
195	381099.03	3737108.19	3.31E-03	5.09E-04	3.39E-04
196	381129.03	3737108.19	3.79E-03	5.85E-04	3.89E-04
197	381159.03	3737108.19	4.43E-03	6.83E-04	4.54E-04
198	381189.03	3737108.19	5.24E-03	8.07E-04	5.36E-04
199	381219.03	3737108.19	6.27E-03	9.66E-04	6.42E-04
200	381249.03	3737108.19	7.77E-03	1.20E-03	7.95E-04
201	380829.03	3737138.19	1.09E-03	1.68E-04	1.12E-04
202	380859.03	3737138.19	1.22E-03	1.88E-04	1.25E-04
203	380889.03	3737138.19	1.38E-03	2.12E-04	1.41E-04
204	380919.03	3737138.19	1.55E-03	2.38E-04	1.58E-04
205	380949.03	3737138.19	1.72E-03	2.64E-04	1.76E-04
206	380979.03	3737138.19	1.92E-03	2.95E-04	1.96E-04
207	381009.03	3737138.19	2.17E-03	3.35E-04	2.23E-04
208	381039.03	3737138.19	2.44E-03	3.76E-04	2.50E-04
209	381069.03	3737138.19	2.71E-03	4.18E-04	2.77E-04
210	381099.03	3737138.19	3.05E-03	4.70E-04	3.12E-04
211	381129.03	3737138.19	3.44E-03	5.30E-04	3.52E-04
212	381159.03	3737138.19	3.92E-03	6.04E-04	4.01E-04
213	381189.03	3737138.19	4.57E-03	7.04E-04	4.68E-04
214	381219.03	3737138.19	5.38E-03	8.29E-04	5.51E-04
215	381249.03	3737138.19	6.48E-03	9.98E-04	6.63E-04
216	380829.03	3737168.19	1.02E-03	1.57E-04	1.05E-04
217	380859.03	3737168.19	1.14E-03	1.75E-04	1.16E-04
218	380889.03	3737168.19	1.28E-03	1.98E-04	1.32E-04
219	380919.03	3737168.19	1.44E-03	2.23E-04	1.48E-04
220	380949.03	3737168.19	1.60E-03	2.47E-04	1.64E-04
221	380979.03	3737168.19	1.80E-03	2.77E-04	1.84E-04
222	381009.03	3737168.19	2.02E-03	3.11E-04	2.07E-04
223	381039.03	3737168.19	2.25E-03	3.46E-04	2.30E-04
224	381069.03	3737168.19	2.48E-03	3.82E-04	2.54E-04
225	381099.03	3737168.19	2.78E-03	4.28E-04	2.85E-04
226	381129.03	3737168.19	3.13E-03	4.82E-04	3.21E-04
227	381159.03	3737168.19	3.52E-03	5.43E-04	3.61E-04

228	381189.03	3737168.19	4.01E-03	6.18E-04	4.11E-04
229	381219.03	3737168.19	4.67E-03	7.19E-04	4.78E-04
230	381249.03	3737168.19	5.52E-03	8.51E-04	5.66E-04
231	380859.03	3737198.19	1.08E-03	1.66E-04	1.11E-04
232	380889.03	3737198.19	1.22E-03	1.88E-04	1.25E-04
233	380919.03	3737198.19	1.37E-03	2.11E-04	1.40E-04
234	380949.03	3737198.19	1.53E-03	2.35E-04	1.56E-04
235	380979.03	3737198.19	1.70E-03	2.62E-04	1.74E-04
236	381009.03	3737198.19	1.88E-03	2.90E-04	1.93E-04
237	381039.03	3737198.19	2.07E-03	3.19E-04	2.12E-04
238	381069.03	3737198.19	2.28E-03	3.51E-04	2.33E-04
239	381099.03	3737198.19	2.53E-03	3.90E-04	2.59E-04
240	381129.03	3737198.19	2.85E-03	4.40E-04	2.92E-04
241	381159.03	3737198.19	3.22E-03	4.96E-04	3.29E-04
242	381189.03	3737198.19	3.64E-03	5.62E-04	3.73E-04
243	381219.03	3737198.19	4.19E-03	6.46E-04	4.29E-04
244	381249.03	3737198.19	4.88E-03	7.53E-04	5.00E-04
245	380859.03	3737228.19	1.03E-03	1.59E-04	1.05E-04
246	380889.03	3737228.19	1.16E-03	1.79E-04	1.19E-04
247	380919.03	3737228.19	1.30E-03	2.00E-04	1.33E-04
248	380949.03	3737228.19	1.44E-03	2.23E-04	1.48E-04
249	380979.03	3737228.19	1.60E-03	2.47E-04	1.64E-04
250	381009.03	3737228.19	1.77E-03	2.72E-04	1.81E-04
251	381039.03	3737228.19	1.93E-03	2.97E-04	1.97E-04
252	381069.03	3737228.19	2.12E-03	3.26E-04	2.17E-04
253	381099.03	3737228.19	2.36E-03	3.63E-04	2.41E-04
254	381129.03	3737228.19	2.63E-03	4.06E-04	2.70E-04
255	381159.03	3737228.19	2.95E-03	4.55E-04	3.03E-04
256	381189.03	3737228.19	3.33E-03	5.14E-04	3.41E-04
257	381219.03	3737228.19	3.78E-03	5.83E-04	3.88E-04
258	381249.03	3737228.19	4.30E-03	6.63E-04	4.41E-04
259	380859.03	3737258.19	9.79E-04	1.51E-04	1.00E-04
260	380889.03	3737258.19	1.10E-03	1.70E-04	1.13E-04
261	380919.03	3737258.19	1.23E-03	1.90E-04	1.26E-04
262	380949.03	3737258.19	1.37E-03	2.11E-04	1.40E-04
263	380979.03	3737258.19	1.52E-03	2.34E-04	1.55E-04
264	381009.03	3737258.19	1.67E-03	2.57E-04	1.71E-04
265	381039.03	3737258.19	1.82E-03	2.80E-04	1.86E-04
266	381069.03	3737258.19	2.00E-03	3.08E-04	2.04E-04
267	381099.03	3737258.19	2.20E-03	3.39E-04	2.26E-04
268	381129.03	3737258.19	2.45E-03	3.77E-04	2.51E-04
269	381159.03	3737258.19	2.73E-03	4.21E-04	2.79E-04
270	381189.03	3737258.19	3.04E-03	4.69E-04	3.12E-04
271	381219.03	3737258.19	3.38E-03	5.21E-04	3.46E-04
272	381249.03	3737258.19	3.79E-03	5.84E-04	3.88E-04
273	380889.03	3737288.19	1.05E-03	1.61E-04	1.07E-04
274	380919.03	3737288.19	1.17E-03	1.80E-04	1.19E-04

275	380949.03	3737288.19	1.29E-03	1.99E-04	1.32E-04
276	380979.03	3737288.19	1.43E-03	2.21E-04	1.47E-04
277	381009.03	3737288.19	1.58E-03	2.43E-04	1.61E-04
278	381039.03	3737288.19	1.73E-03	2.66E-04	1.77E-04
279	381069.03	3737288.19	1.89E-03	2.91E-04	1.94E-04
280	381099.03	3737288.19	2.07E-03	3.19E-04	2.12E-04
281	381129.03	3737288.19	2.28E-03	3.51E-04	2.33E-04
282	381159.03	3737288.19	2.52E-03	3.89E-04	2.58E-04
283	381189.03	3737288.19	2.79E-03	4.29E-04	2.85E-04
284	381219.03	3737288.19	3.09E-03	4.76E-04	3.16E-04
285	381249.03	3737288.19	3.40E-03	5.23E-04	3.48E-04
286	380889.03	3737318.19	9.93E-04	1.53E-04	1.02E-04
287	380919.03	3737318.19	1.10E-03	1.69E-04	1.12E-04
288	380949.03	3737318.19	1.22E-03	1.87E-04	1.25E-04
289	380979.03	3737318.19	1.35E-03	2.08E-04	1.38E-04
290	381009.03	3737318.19	1.48E-03	2.29E-04	1.52E-04
291	381039.03	3737318.19	1.63E-03	2.51E-04	1.67E-04
292	381069.03	3737318.19	1.78E-03	2.75E-04	1.83E-04
293	381099.03	3737318.19	1.94E-03	2.99E-04	1.99E-04
294	381129.03	3737318.19	2.13E-03	3.29E-04	2.18E-04
295	381159.03	3737318.19	2.35E-03	3.63E-04	2.41E-04
296	381189.03	3737318.19	2.59E-03	3.99E-04	2.65E-04
297	381219.03	3737318.19	2.84E-03	4.37E-04	2.91E-04
298	381249.03	3737318.19	3.06E-03	4.72E-04	3.14E-04
299	380919.03	3737348.19	1.03E-03	1.59E-04	1.06E-04
300	380949.03	3737348.19	1.14E-03	1.76E-04	1.17E-04
301	380979.03	3737348.19	1.26E-03	1.95E-04	1.29E-04
302	381009.03	3737348.19	1.39E-03	2.15E-04	1.43E-04
303	381039.03	3737348.19	1.55E-03	2.38E-04	1.58E-04
304	381069.03	3737348.19	1.69E-03	2.60E-04	1.73E-04
305	381099.03	3737348.19	1.83E-03	2.83E-04	1.88E-04
306	381129.03	3737348.19	2.00E-03	3.09E-04	2.05E-04
307	381159.03	3737348.19	2.20E-03	3.38E-04	2.25E-04
308	381189.03	3737348.19	2.40E-03	3.70E-04	2.46E-04
309	381219.03	3737348.19	2.59E-03	4.00E-04	2.66E-04
310	381249.03	3737348.19	2.77E-03	4.27E-04	2.83E-04
311	380919.03	3737378.19	9.80E-04	1.51E-04	1.00E-04
312	380949.03	3737378.19	1.08E-03	1.66E-04	1.11E-04
313	380979.03	3737378.19	1.18E-03	1.82E-04	1.21E-04
314	381009.03	3737378.19	1.30E-03	2.01E-04	1.34E-04
315	381039.03	3737378.19	1.46E-03	2.25E-04	1.49E-04
316	381069.03	3737378.19	1.60E-03	2.46E-04	1.63E-04
317	381099.03	3737378.19	1.73E-03	2.67E-04	1.78E-04
318	381129.03	3737378.19	1.89E-03	2.91E-04	1.93E-04
319	381159.03	3737378.19	2.04E-03	3.15E-04	2.09E-04
320	381189.03	3737378.19	2.21E-03	3.40E-04	2.26E-04
321	381219.03	3737378.19	2.37E-03	3.65E-04	2.43E-04

322	381249.03	3737378.19	2.51E-03	3.88E-04	2.58E-04
323	380919.03	3737408.19	9.30E-04	1.43E-04	9.53E-05
324	380949.03	3737408.19	1.02E-03	1.58E-04	1.05E-04
325	380979.03	3737408.19	1.12E-03	1.73E-04	1.15E-04
326	381009.03	3737408.19	1.24E-03	1.92E-04	1.27E-04
327	381039.03	3737408.19	1.38E-03	2.12E-04	1.41E-04
328	381069.03	3737408.19	1.50E-03	2.31E-04	1.54E-04
329	381099.03	3737408.19	1.63E-03	2.51E-04	1.67E-04
330	381129.03	3737408.19	1.76E-03	2.72E-04	1.81E-04
331	381159.03	3737408.19	1.90E-03	2.92E-04	1.94E-04
332	381189.03	3737408.19	2.03E-03	3.13E-04	2.08E-04
333	381219.03	3737408.19	2.17E-03	3.35E-04	2.23E-04
334	381249.03	3737408.19	2.30E-03	3.55E-04	2.36E-04
335	380949.03	3737438.19	9.72E-04	1.50E-04	9.96E-05
336	380979.03	3737438.19	1.07E-03	1.65E-04	1.10E-04
337	381009.03	3737438.19	1.19E-03	1.83E-04	1.22E-04
338	381039.03	3737438.19	1.30E-03	2.01E-04	1.33E-04
339	381069.03	3737438.19	1.41E-03	2.18E-04	1.45E-04
340	381099.03	3737438.19	1.53E-03	2.36E-04	1.57E-04
341	381129.03	3737438.19	1.65E-03	2.54E-04	1.69E-04
342	381159.03	3737438.19	1.76E-03	2.72E-04	1.81E-04
343	381189.03	3737438.19	1.88E-03	2.90E-04	1.93E-04
344	381219.03	3737438.19	2.01E-03	3.09E-04	2.06E-04
345	381249.03	3737438.19	2.12E-03	3.26E-04	2.17E-04
346	380949.03	3737468.19	9.24E-04	1.42E-04	9.47E-05
347	380979.03	3737468.19	1.02E-03	1.57E-04	1.05E-04
348	381009.03	3737468.19	1.13E-03	1.74E-04	1.15E-04
349	381039.03	3737468.19	1.23E-03	1.89E-04	1.26E-04
350	381069.03	3737468.19	1.33E-03	2.05E-04	1.36E-04
351	381099.03	3737468.19	1.44E-03	2.22E-04	1.48E-04
352	381129.03	3737468.19	1.55E-03	2.38E-04	1.58E-04
353	381159.03	3737468.19	1.64E-03	2.53E-04	1.68E-04
354	381189.03	3737468.19	1.75E-03	2.70E-04	1.79E-04
355	381219.03	3737468.19	1.87E-03	2.88E-04	1.91E-04
356	381249.03	3737468.19	1.96E-03	3.02E-04	2.01E-04
357	380979.03	3737498.19	9.71E-04	1.50E-04	9.95E-05
358	381009.03	3737498.19	1.06E-03	1.64E-04	1.09E-04
359	381039.03	3737498.19	1.16E-03	1.79E-04	1.19E-04
360	381069.03	3737498.19	1.26E-03	1.94E-04	1.29E-04
361	381099.03	3737498.19	1.36E-03	2.10E-04	1.40E-04
362	381129.03	3737498.19	1.45E-03	2.24E-04	1.49E-04
363	381159.03	3737498.19	1.54E-03	2.37E-04	1.58E-04
364	381189.03	3737498.19	1.64E-03	2.52E-04	1.67E-04
365	381219.03	3737498.19	1.74E-03	2.68E-04	1.78E-04
366	381249.03	3737498.19	1.81E-03	2.80E-04	1.86E-04
367	380979.03	3737528.19	9.22E-04	1.42E-04	9.45E-05
368	381009.03	3737528.19	1.01E-03	1.55E-04	1.03E-04

369	381039.03	3737528.19	1.10E-03	1.70E-04	1.13E-04
370	381069.03	3737528.19	1.20E-03	1.84E-04	1.23E-04
371	381099.03	3737528.19	1.29E-03	1.98E-04	1.32E-04
372	381129.03	3737528.19	1.37E-03	2.11E-04	1.40E-04
373	381159.03	3737528.19	1.45E-03	2.23E-04	1.48E-04
374	381189.03	3737528.19	1.53E-03	2.37E-04	1.57E-04
375	381219.03	3737528.19	1.62E-03	2.49E-04	1.66E-04
376	381249.03	3737528.19	1.68E-03	2.59E-04	1.72E-04
377	380979.03	3737558.19	8.79E-04	1.35E-04	9.00E-05
378	381009.03	3737558.19	9.58E-04	1.48E-04	9.81E-05
379	381039.03	3737558.19	1.05E-03	1.61E-04	1.07E-04
380	381069.03	3737558.19	1.13E-03	1.75E-04	1.16E-04
381	381099.03	3737558.19	1.21E-03	1.87E-04	1.24E-04
382	381129.03	3737558.19	1.29E-03	1.99E-04	1.32E-04
383	381159.03	3737558.19	1.37E-03	2.10E-04	1.40E-04
384	381189.03	3737558.19	1.44E-03	2.22E-04	1.48E-04
385	381219.03	3737558.19	1.51E-03	2.32E-04	1.54E-04
386	381249.03	3737558.19	1.56E-03	2.40E-04	1.60E-04
387	381009.03	3737588.19	9.14E-04	1.41E-04	9.36E-05
388	381039.03	3737588.19	9.92E-04	1.53E-04	1.02E-04
389	381069.03	3737588.19	1.07E-03	1.65E-04	1.10E-04
390	381099.03	3737588.19	1.15E-03	1.77E-04	1.17E-04
391	381129.03	3737588.19	1.22E-03	1.87E-04	1.25E-04
392	381159.03	3737588.19	1.28E-03	1.98E-04	1.32E-04
393	381189.03	3737588.19	1.35E-03	2.08E-04	1.38E-04
394	381219.03	3737588.19	1.41E-03	2.17E-04	1.44E-04
395	381249.03	3737588.19	1.45E-03	2.24E-04	1.49E-04
396	381009.03	3737618.19	8.81E-04	1.36E-04	9.03E-05
397	381039.03	3737618.19	9.49E-04	1.46E-04	9.72E-05
398	381069.03	3737618.19	1.02E-03	1.57E-04	1.04E-04
399	381099.03	3737618.19	1.08E-03	1.67E-04	1.11E-04
400	381129.03	3737618.19	1.15E-03	1.77E-04	1.17E-04
401	381159.03	3737618.19	1.21E-03	1.86E-04	1.24E-04
402	381189.03	3737618.19	1.27E-03	1.95E-04	1.30E-04
403	381219.03	3737618.19	1.32E-03	2.03E-04	1.35E-04
404	381249.03	3737618.19	1.36E-03	2.10E-04	1.39E-04
405	381039.03	3737648.19	9.01E-04	1.39E-04	9.23E-05
406	381069.03	3737648.19	9.64E-04	1.49E-04	9.87E-05
407	381099.03	3737648.19	1.03E-03	1.59E-04	1.05E-04
408	381129.03	3737648.19	1.09E-03	1.67E-04	1.11E-04
409	381159.03	3737648.19	1.14E-03	1.76E-04	1.17E-04
410	381189.03	3737648.19	1.19E-03	1.84E-04	1.22E-04
411	381219.03	3737648.19	1.24E-03	1.91E-04	1.27E-04
412	381249.03	3737648.19	1.27E-03	1.96E-04	1.30E-04
413	381039.03	3737678.19	8.60E-04	1.32E-04	8.81E-05
414	381069.03	3737678.19	9.20E-04	1.42E-04	9.43E-05
415	381099.03	3737678.19	9.78E-04	1.51E-04	1.00E-04

416	381129.03	3737678.19	1.03E-03	1.58E-04	1.05E-04
417	381159.03	3737678.19	1.07E-03	1.66E-04	1.10E-04
418	381189.03	3737678.19	1.12E-03	1.73E-04	1.15E-04
419	381219.03	3737678.19	1.16E-03	1.79E-04	1.19E-04
420	381249.03	3737678.19	1.19E-03	1.84E-04	1.22E-04
421	380645.78	3736414.3	2.72E-03	4.19E-04	2.79E-04
422	380675.78	3736414.3	3.80E-03	5.86E-04	3.89E-04
423	380705.78	3736414.3	5.41E-03	8.34E-04	5.54E-04
424	380735.78	3736414.3	7.71E-03	1.19E-03	7.90E-04
425	380615.78	3736444.3	1.75E-03	2.70E-04	1.80E-04
426	380645.78	3736444.3	2.46E-03	3.79E-04	2.52E-04
427	380675.78	3736444.3	3.32E-03	5.12E-04	3.41E-04
428	380705.78	3736444.3	4.59E-03	7.08E-04	4.70E-04
429	380735.78	3736444.3	6.47E-03	9.98E-04	6.63E-04
430	380765.78	3736444.3	9.09E-03	1.40E-03	9.31E-04
431	380615.78	3736474.3	1.61E-03	2.48E-04	1.65E-04
432	380645.78	3736474.3	2.21E-03	3.40E-04	2.26E-04
433	380675.78	3736474.3	2.95E-03	4.54E-04	3.02E-04
434	380705.78	3736474.3	4.01E-03	6.18E-04	4.10E-04
435	380735.78	3736474.3	5.51E-03	8.50E-04	5.65E-04
436	380765.78	3736474.3	7.61E-03	1.17E-03	7.79E-04
437	380795.78	3736474.3	1.04E-02	1.60E-03	1.07E-03
438	380615.78	3736504.3	1.45E-03	2.24E-04	1.49E-04
439	380645.78	3736504.3	1.96E-03	3.03E-04	2.01E-04
440	380675.78	3736504.3	2.61E-03	4.03E-04	2.68E-04
441	380705.78	3736504.3	3.52E-03	5.42E-04	3.60E-04
442	380735.78	3736504.3	4.78E-03	7.37E-04	4.90E-04
443	380765.78	3736504.3	6.58E-03	1.01E-03	6.74E-04
444	380795.78	3736504.3	8.98E-03	1.38E-03	9.20E-04
445	380825.78	3736504.3	1.19E-02	1.83E-03	1.21E-03
446	380855.78	3736504.3	1.51E-02	2.32E-03	1.54E-03
447	380615.78	3736534.3	1.35E-03	2.08E-04	1.38E-04
448	380645.78	3736534.3	1.80E-03	2.77E-04	1.84E-04
449	380675.78	3736534.3	2.38E-03	3.66E-04	2.43E-04
450	380705.78	3736534.3	3.18E-03	4.90E-04	3.25E-04
451	380735.78	3736534.3	4.22E-03	6.50E-04	4.32E-04
452	380765.78	3736534.3	5.77E-03	8.90E-04	5.91E-04
453	380795.78	3736534.3	8.00E-03	1.23E-03	8.20E-04
454	380825.78	3736534.3	1.04E-02	1.61E-03	1.07E-03
455	380855.78	3736534.3	1.25E-02	1.93E-03	1.28E-03
456	380885.78	3736534.3	1.57E-02	2.42E-03	1.60E-03
457	380615.78	3736564.3	1.29E-03	1.98E-04	1.32E-04
458	380645.78	3736564.3	1.67E-03	2.58E-04	1.71E-04
459	380675.78	3736564.3	2.19E-03	3.38E-04	2.25E-04
460	380705.78	3736564.3	2.85E-03	4.39E-04	2.92E-04
461	380735.78	3736564.3	3.77E-03	5.82E-04	3.87E-04
462	380765.78	3736564.3	5.07E-03	7.82E-04	5.20E-04

463	380795.78	3736564.3	6.92E-03	1.07E-03	7.08E-04
464	380825.78	3736564.3	8.86E-03	1.37E-03	9.08E-04
465	380855.78	3736564.3	1.04E-02	1.61E-03	1.07E-03
466	380885.78	3736564.3	1.30E-02	2.00E-03	1.33E-03
467	380915.78	3736564.3	1.60E-02	2.47E-03	1.64E-03
468	380615.78	3736594.3	1.23E-03	1.90E-04	1.26E-04
469	380645.78	3736594.3	1.56E-03	2.40E-04	1.59E-04
470	380675.78	3736594.3	1.99E-03	3.06E-04	2.03E-04
471	380705.78	3736594.3	2.55E-03	3.94E-04	2.62E-04
472	380735.78	3736594.3	3.32E-03	5.12E-04	3.40E-04
473	380765.78	3736594.3	4.36E-03	6.72E-04	4.46E-04
474	380795.78	3736594.3	5.74E-03	8.84E-04	5.88E-04
475	380825.78	3736594.3	7.36E-03	1.13E-03	7.54E-04
476	380855.78	3736594.3	9.00E-03	1.39E-03	9.21E-04
477	380885.78	3736594.3	1.08E-02	1.67E-03	1.11E-03
478	380915.78	3736594.3	1.30E-02	2.00E-03	1.33E-03
479	380945.78	3736594.3	1.57E-02	2.41E-03	1.60E-03
480	380615.78	3736624.3	1.13E-03	1.75E-04	1.16E-04
481	380645.78	3736624.3	1.42E-03	2.19E-04	1.46E-04
482	380675.78	3736624.3	1.79E-03	2.76E-04	1.83E-04
483	380705.78	3736624.3	2.27E-03	3.49E-04	2.32E-04
484	380735.78	3736624.3	2.87E-03	4.42E-04	2.94E-04
485	380765.78	3736624.3	3.63E-03	5.60E-04	3.72E-04
486	380795.78	3736624.3	4.69E-03	7.22E-04	4.80E-04
487	380825.78	3736624.3	5.94E-03	9.16E-04	6.09E-04
488	380855.78	3736624.3	7.25E-03	1.12E-03	7.43E-04
489	380885.78	3736624.3	8.78E-03	1.35E-03	9.00E-04
490	380915.78	3736624.3	1.03E-02	1.59E-03	1.06E-03
491	380945.78	3736624.3	1.22E-02	1.88E-03	1.25E-03
492	380975.78	3736624.3	1.44E-02	2.22E-03	1.47E-03
493	380615.78	3736654.3	1.04E-03	1.61E-04	1.07E-04
494	380645.78	3736654.3	1.31E-03	2.01E-04	1.34E-04
495	380675.78	3736654.3	1.62E-03	2.50E-04	1.66E-04
496	380705.78	3736654.3	2.03E-03	3.13E-04	2.08E-04
497	380735.78	3736654.3	2.54E-03	3.91E-04	2.60E-04
498	380765.78	3736654.3	3.10E-03	4.78E-04	3.18E-04
499	380795.78	3736654.3	3.85E-03	5.94E-04	3.94E-04
500	380825.78	3736654.3	4.89E-03	7.54E-04	5.01E-04
501	380855.78	3736654.3	5.99E-03	9.24E-04	6.14E-04
502	380885.78	3736654.3	7.24E-03	1.12E-03	7.41E-04
503	380915.78	3736654.3	8.53E-03	1.32E-03	8.74E-04
504	380945.78	3736654.3	1.01E-02	1.55E-03	1.03E-03
505	380975.78	3736654.3	1.15E-02	1.78E-03	1.18E-03
506	381005.78	3736654.3	1.34E-02	2.07E-03	1.37E-03
507	380645.78	3736684.3	1.19E-03	1.84E-04	1.22E-04
508	380675.78	3736684.3	1.47E-03	2.27E-04	1.51E-04
509	380705.78	3736684.3	1.85E-03	2.86E-04	1.90E-04

510	380735.78	3736684.3	2.31E-03	3.56E-04	2.36E-04
511	380765.78	3736684.3	2.78E-03	4.28E-04	2.85E-04
512	380795.78	3736684.3	3.31E-03	5.10E-04	3.39E-04
513	380825.78	3736684.3	4.12E-03	6.35E-04	4.22E-04
514	380855.78	3736684.3	5.18E-03	7.98E-04	5.30E-04
515	380885.78	3736684.3	6.18E-03	9.53E-04	6.33E-04
516	380915.78	3736684.3	7.36E-03	1.13E-03	7.54E-04
517	380945.78	3736684.3	8.59E-03	1.32E-03	8.80E-04
518	380975.78	3736684.3	9.75E-03	1.50E-03	9.99E-04
519	381005.78	3736684.3	1.10E-02	1.69E-03	1.12E-03
520	381035.78	3736684.3	1.31E-02	2.02E-03	1.34E-03
521	380645.78	3736714.3	1.09E-03	1.67E-04	1.11E-04
522	380675.78	3736714.3	1.34E-03	2.07E-04	1.37E-04
523	380705.78	3736714.3	1.69E-03	2.60E-04	1.73E-04
524	380735.78	3736714.3	2.11E-03	3.25E-04	2.16E-04
525	380765.78	3736714.3	2.54E-03	3.91E-04	2.60E-04
526	380795.78	3736714.3	3.00E-03	4.62E-04	3.07E-04
527	380825.78	3736714.3	3.68E-03	5.68E-04	3.77E-04
528	380855.78	3736714.3	4.61E-03	7.10E-04	4.72E-04
529	380885.78	3736714.3	5.50E-03	8.48E-04	5.64E-04
530	380915.78	3736714.3	6.76E-03	1.04E-03	6.92E-04
531	380945.78	3736714.3	8.12E-03	1.25E-03	8.32E-04
532	380975.78	3736714.3	9.19E-03	1.42E-03	9.41E-04
533	381005.78	3736714.3	9.97E-03	1.54E-03	1.02E-03
534	381035.78	3736714.3	1.12E-02	1.72E-03	1.15E-03
535	380675.78	3736744.3	1.23E-03	1.89E-04	1.25E-04
536	380705.78	3736744.3	1.52E-03	2.35E-04	1.56E-04
537	380735.78	3736744.3	1.89E-03	2.91E-04	1.94E-04
538	380765.78	3736744.3	2.28E-03	3.52E-04	2.34E-04
539	380795.78	3736744.3	2.74E-03	4.22E-04	2.81E-04
540	380825.78	3736744.3	3.36E-03	5.18E-04	3.44E-04
541	380855.78	3736744.3	4.10E-03	6.32E-04	4.20E-04
542	380885.78	3736744.3	4.80E-03	7.39E-04	4.91E-04
543	380915.78	3736744.3	6.31E-03	9.73E-04	6.47E-04
544	380945.78	3736744.3	7.68E-03	1.18E-03	7.87E-04
545	380975.78	3736744.3	8.66E-03	1.33E-03	8.87E-04
546	381005.78	3736744.3	9.01E-03	1.39E-03	9.23E-04
547	381035.78	3736744.3	9.85E-03	1.52E-03	1.01E-03
548	381065.78	3736744.3	1.21E-02	1.86E-03	1.24E-03
549	380675.78	3736774.3	1.13E-03	1.75E-04	1.16E-04
550	380705.78	3736774.3	1.39E-03	2.15E-04	1.43E-04
551	380735.78	3736774.3	1.71E-03	2.64E-04	1.75E-04
552	380765.78	3736774.3	2.05E-03	3.15E-04	2.10E-04
553	380795.78	3736774.3	2.47E-03	3.81E-04	2.53E-04
554	380825.78	3736774.3	3.06E-03	4.71E-04	3.13E-04
555	380855.78	3736774.3	3.72E-03	5.74E-04	3.81E-04
556	380885.78	3736774.3	4.45E-03	6.87E-04	4.56E-04

557	380915.78	3736774.3	5.57E-03	8.59E-04	5.71E-04
558	380945.78	3736774.3	6.78E-03	1.05E-03	6.94E-04
559	380975.78	3736774.3	7.53E-03	1.16E-03	7.71E-04
560	381005.78	3736774.3	8.02E-03	1.24E-03	8.22E-04
561	381035.78	3736774.3	8.79E-03	1.35E-03	9.00E-04
562	381065.78	3736774.3	1.09E-02	1.67E-03	1.11E-03
563	380675.78	3736804.3	1.05E-03	1.62E-04	1.07E-04
564	380705.78	3736804.3	1.27E-03	1.96E-04	1.30E-04
565	380735.78	3736804.3	1.53E-03	2.36E-04	1.57E-04
566	380765.78	3736804.3	1.79E-03	2.77E-04	1.84E-04
567	380795.78	3736804.3	2.10E-03	3.24E-04	2.15E-04
568	380825.78	3736804.3	2.57E-03	3.97E-04	2.64E-04
569	380855.78	3736804.3	3.39E-03	5.22E-04	3.47E-04
570	380885.78	3736804.3	4.47E-03	6.90E-04	4.58E-04
571	380915.78	3736804.3	5.05E-03	7.79E-04	5.18E-04
572	380945.78	3736804.3	5.63E-03	8.67E-04	5.76E-04
573	380975.78	3736804.3	6.31E-03	9.72E-04	6.46E-04
574	381005.78	3736804.3	7.05E-03	1.09E-03	7.22E-04
575	381035.78	3736804.3	8.09E-03	1.25E-03	8.28E-04
576	381065.78	3736804.3	9.80E-03	1.51E-03	1.00E-03
577	380705.78	3736834.3	1.18E-03	1.81E-04	1.20E-04
578	380735.78	3736834.3	1.41E-03	2.17E-04	1.45E-04
579	380765.78	3736834.3	1.67E-03	2.57E-04	1.71E-04
580	380795.78	3736834.3	1.94E-03	2.99E-04	1.99E-04
581	380825.78	3736834.3	2.28E-03	3.52E-04	2.34E-04
582	380855.78	3736834.3	2.78E-03	4.29E-04	2.85E-04
583	380885.78	3736834.3	3.43E-03	5.29E-04	3.52E-04
584	380915.78	3736834.3	4.08E-03	6.28E-04	4.17E-04
585	380945.78	3736834.3	4.67E-03	7.20E-04	4.78E-04
586	380975.78	3736834.3	5.36E-03	8.26E-04	5.49E-04
587	381005.78	3736834.3	6.07E-03	9.35E-04	6.22E-04
588	381035.78	3736834.3	7.02E-03	1.08E-03	7.19E-04
589	381065.78	3736834.3	8.23E-03	1.27E-03	8.43E-04
590	380705.78	3736864.3	1.10E-03	1.69E-04	1.12E-04
591	380735.78	3736864.3	1.31E-03	2.02E-04	1.34E-04
592	380765.78	3736864.3	1.56E-03	2.41E-04	1.60E-04
593	380795.78	3736864.3	1.84E-03	2.83E-04	1.88E-04
594	380825.78	3736864.3	2.11E-03	3.26E-04	2.16E-04
595	380855.78	3736864.3	2.45E-03	3.78E-04	2.51E-04
596	380885.78	3736864.3	2.85E-03	4.40E-04	2.92E-04
597	380915.78	3736864.3	3.39E-03	5.22E-04	3.47E-04
598	380945.78	3736864.3	3.98E-03	6.13E-04	4.07E-04
599	380975.78	3736864.3	4.58E-03	7.06E-04	4.69E-04
600	381005.78	3736864.3	5.24E-03	8.07E-04	5.37E-04
601	381035.78	3736864.3	6.01E-03	9.26E-04	6.15E-04
602	381065.78	3736864.3	6.96E-03	1.07E-03	7.13E-04
603	381095.78	3736864.3	8.10E-03	1.25E-03	8.30E-04

604	380735.78	3736894.3	1.22E-03	1.88E-04	1.25E-04
605	380765.78	3736894.3	1.45E-03	2.24E-04	1.49E-04
606	380795.78	3736894.3	1.71E-03	2.63E-04	1.75E-04
607	380825.78	3736894.3	1.96E-03	3.02E-04	2.01E-04
608	380855.78	3736894.3	2.24E-03	3.46E-04	2.30E-04
609	380885.78	3736894.3	2.57E-03	3.96E-04	2.63E-04
610	380915.78	3736894.3	2.95E-03	4.55E-04	3.03E-04
611	380945.78	3736894.3	3.40E-03	5.24E-04	3.48E-04
612	380975.78	3736894.3	3.92E-03	6.03E-04	4.01E-04
613	381005.78	3736894.3	4.55E-03	7.01E-04	4.66E-04
614	381035.78	3736894.3	5.29E-03	8.16E-04	5.42E-04
615	381065.78	3736894.3	6.08E-03	9.37E-04	6.23E-04
616	381095.78	3736894.3	6.82E-03	1.05E-03	6.98E-04
617	381125.78	3736894.3	8.24E-03	1.27E-03	8.44E-04
618	380735.78	3736924.3	1.15E-03	1.77E-04	1.18E-04
619	380765.78	3736924.3	1.35E-03	2.08E-04	1.38E-04
620	380795.78	3736924.3	1.57E-03	2.42E-04	1.61E-04
621	380825.78	3736924.3	1.80E-03	2.77E-04	1.84E-04
622	380855.78	3736924.3	2.05E-03	3.16E-04	2.10E-04
623	380885.78	3736924.3	2.34E-03	3.60E-04	2.39E-04
624	380915.78	3736924.3	2.63E-03	4.05E-04	2.69E-04
625	380945.78	3736924.3	2.99E-03	4.61E-04	3.06E-04
626	380975.78	3736924.3	3.46E-03	5.33E-04	3.54E-04
627	381005.78	3736924.3	3.98E-03	6.13E-04	4.08E-04
628	381035.78	3736924.3	4.59E-03	7.08E-04	4.70E-04
629	381065.78	3736924.3	5.21E-03	8.03E-04	5.33E-04
630	381095.78	3736924.3	5.80E-03	8.94E-04	5.94E-04
631	381125.78	3736924.3	6.77E-03	1.04E-03	6.93E-04
632	381155.78	3736924.3	8.93E-03	1.38E-03	9.14E-04
633	380735.78	3736954.3	1.07E-03	1.64E-04	1.09E-04
634	380765.78	3736954.3	1.25E-03	1.92E-04	1.28E-04
635	380795.78	3736954.3	1.44E-03	2.23E-04	1.48E-04
636	380825.78	3736954.3	1.65E-03	2.55E-04	1.69E-04
637	380855.78	3736954.3	1.87E-03	2.89E-04	1.92E-04
638	380885.78	3736954.3	2.12E-03	3.26E-04	2.17E-04
639	380915.78	3736954.3	2.37E-03	3.66E-04	2.43E-04
640	380945.78	3736954.3	2.71E-03	4.17E-04	2.77E-04
641	380975.78	3736954.3	3.11E-03	4.79E-04	3.18E-04
642	381005.78	3736954.3	3.58E-03	5.52E-04	3.67E-04
643	381035.78	3736954.3	4.09E-03	6.31E-04	4.19E-04
644	381065.78	3736954.3	4.58E-03	7.06E-04	4.69E-04
645	381095.78	3736954.3	5.06E-03	7.80E-04	5.18E-04
646	381125.78	3736954.3	5.87E-03	9.05E-04	6.01E-04
647	381155.78	3736954.3	7.51E-03	1.16E-03	7.70E-04
648	380765.78	3736984.3	1.16E-03	1.78E-04	1.19E-04
649	380795.78	3736984.3	1.34E-03	2.07E-04	1.38E-04
650	380825.78	3736984.3	1.53E-03	2.36E-04	1.57E-04

651	380855.78	3736984.3	1.72E-03	2.65E-04	1.76E-04
652	380885.78	3736984.3	1.94E-03	2.99E-04	1.99E-04
653	380915.78	3736984.3	2.22E-03	3.42E-04	2.27E-04
654	380945.78	3736984.3	2.56E-03	3.94E-04	2.62E-04
655	380975.78	3736984.3	2.93E-03	4.51E-04	3.00E-04
656	381005.78	3736984.3	3.28E-03	5.05E-04	3.36E-04
657	381035.78	3736984.3	3.62E-03	5.58E-04	3.71E-04
658	381065.78	3736984.3	4.00E-03	6.17E-04	4.10E-04
659	381095.78	3736984.3	4.51E-03	6.95E-04	4.62E-04
660	381125.78	3736984.3	5.40E-03	8.32E-04	5.53E-04
661	381155.78	3736984.3	7.07E-03	1.09E-03	7.24E-04
662	380765.78	3737014.3	1.09E-03	1.68E-04	1.12E-04
663	380795.78	3737014.3	1.26E-03	1.95E-04	1.29E-04
664	380825.78	3737014.3	1.43E-03	2.21E-04	1.47E-04
665	380855.78	3737014.3	1.60E-03	2.47E-04	1.64E-04
666	380885.78	3737014.3	1.83E-03	2.82E-04	1.87E-04
667	380915.78	3737014.3	2.08E-03	3.20E-04	2.13E-04
668	380945.78	3737014.3	2.36E-03	3.63E-04	2.41E-04
669	380975.78	3737014.3	2.66E-03	4.09E-04	2.72E-04
670	381005.78	3737014.3	2.97E-03	4.57E-04	3.04E-04
671	381035.78	3737014.3	3.27E-03	5.05E-04	3.35E-04
672	381065.78	3737014.3	3.62E-03	5.57E-04	3.70E-04
673	381095.78	3737014.3	4.08E-03	6.29E-04	4.18E-04
674	381125.78	3737014.3	4.95E-03	7.64E-04	5.07E-04
675	381155.78	3737014.3	6.51E-03	1.00E-03	6.67E-04
676	380385.62	3735858.28	1.78E-04	2.74E-05	1.82E-05
677	380385.62	3735888.28	1.91E-04	2.95E-05	1.96E-05
678	380385.62	3735918.28	2.06E-04	3.17E-05	2.11E-05
679	380415.62	3735918.28	2.17E-04	3.35E-05	2.23E-05
680	380385.62	3735948.28	2.22E-04	3.42E-05	2.27E-05
681	380415.62	3735948.28	2.36E-04	3.64E-05	2.42E-05
682	380385.62	3735978.28	2.40E-04	3.70E-05	2.46E-05
683	380415.62	3735978.28	2.56E-04	3.95E-05	2.63E-05
684	380385.62	3736008.28	2.60E-04	4.00E-05	2.66E-05
685	380415.62	3736008.28	2.79E-04	4.31E-05	2.86E-05
686	380445.62	3736008.28	2.98E-04	4.59E-05	3.05E-05
687	380355.62	3736038.28	2.60E-04	4.01E-05	2.66E-05
688	380385.62	3736038.28	2.81E-04	4.33E-05	2.88E-05
689	380415.62	3736038.28	3.05E-04	4.69E-05	3.12E-05
690	380445.62	3736038.28	3.24E-04	5.00E-05	3.32E-05
691	380355.62	3736068.28	2.79E-04	4.30E-05	2.86E-05
692	380385.62	3736068.28	3.04E-04	4.68E-05	3.11E-05
693	380415.62	3736068.28	3.29E-04	5.07E-05	3.37E-05
694	380445.62	3736068.28	3.52E-04	5.42E-05	3.60E-05
695	380475.62	3736068.28	3.78E-04	5.83E-05	3.87E-05
696	380355.62	3736098.28	2.99E-04	4.61E-05	3.07E-05
697	380385.62	3736098.28	3.28E-04	5.06E-05	3.36E-05

698	380415.62	3736098.28	3.51E-04	5.42E-05	3.60E-05
699	380445.62	3736098.28	3.78E-04	5.83E-05	3.87E-05
700	380475.62	3736098.28	4.11E-04	6.34E-05	4.21E-05
701	380355.62	3736128.28	3.20E-04	4.93E-05	3.28E-05
702	380385.62	3736128.28	3.52E-04	5.42E-05	3.60E-05
703	380415.62	3736128.28	3.76E-04	5.79E-05	3.85E-05
704	380445.62	3736128.28	4.08E-04	6.28E-05	4.17E-05
705	380475.62	3736128.28	4.51E-04	6.96E-05	4.62E-05
706	380505.62	3736128.28	5.17E-04	7.96E-05	5.29E-05
707	380355.62	3736158.28	3.41E-04	5.25E-05	3.49E-05
708	380385.62	3736158.28	3.75E-04	5.78E-05	3.84E-05
709	380415.62	3736158.28	4.03E-04	6.21E-05	4.13E-05
710	380445.62	3736158.28	4.41E-04	6.80E-05	4.52E-05
711	380475.62	3736158.28	4.97E-04	7.67E-05	5.10E-05
712	380505.62	3736158.28	5.78E-04	8.91E-05	5.92E-05
713	380535.62	3736158.28	6.84E-04	1.05E-04	7.01E-05
714	380325.62	3736188.28	3.24E-04	5.00E-05	3.32E-05
715	380355.62	3736188.28	3.60E-04	5.55E-05	3.69E-05
716	380385.62	3736188.28	4.00E-04	6.17E-05	4.10E-05
717	380415.62	3736188.28	4.32E-04	6.66E-05	4.43E-05
718	380445.62	3736188.28	4.77E-04	7.36E-05	4.89E-05
719	380475.62	3736188.28	5.46E-04	8.41E-05	5.59E-05
720	380505.62	3736188.28	6.40E-04	9.86E-05	6.55E-05
721	380535.62	3736188.28	7.57E-04	1.17E-04	7.75E-05
722	380355.62	3736218.28	3.77E-04	5.81E-05	3.86E-05
723	380385.62	3736218.28	4.24E-04	6.53E-05	4.34E-05
724	380415.62	3736218.28	4.67E-04	7.20E-05	4.78E-05
725	380445.62	3736218.28	5.14E-04	7.93E-05	5.27E-05
726	380475.62	3736218.28	5.89E-04	9.08E-05	6.04E-05
727	380505.62	3736218.28	6.88E-04	1.06E-04	7.05E-05
728	380535.62	3736218.28	8.17E-04	1.26E-04	8.37E-05
729	380565.62	3736218.28	1.03E-03	1.59E-04	1.06E-04
730	380355.62	3736248.28	3.90E-04	6.01E-05	3.99E-05
731	380385.62	3736248.28	4.40E-04	6.78E-05	4.51E-05
732	380415.62	3736248.28	4.98E-04	7.68E-05	5.10E-05
733	380445.62	3736248.28	5.51E-04	8.49E-05	5.64E-05
734	380475.62	3736248.28	6.27E-04	9.67E-05	6.42E-05
735	380505.62	3736248.28	7.28E-04	1.12E-04	7.46E-05
736	380535.62	3736248.28	8.66E-04	1.33E-04	8.87E-05
737	380565.62	3736248.28	1.10E-03	1.69E-04	1.13E-04
738	380595.62	3736248.28	1.56E-03	2.41E-04	1.60E-04
739	380385.62	3736278.28	4.51E-04	6.95E-05	4.62E-05
740	380415.62	3736278.28	5.14E-04	7.93E-05	5.27E-05
741	380445.62	3736278.28	5.84E-04	9.00E-05	5.98E-05
742	380475.62	3736278.28	6.63E-04	1.02E-04	6.79E-05
743	380505.62	3736278.28	7.62E-04	1.17E-04	7.81E-05
744	380535.62	3736278.28	9.00E-04	1.39E-04	9.22E-05

745	380565.62	3736278.28	1.13E-03	1.74E-04	1.15E-04
746	380595.62	3736278.28	1.56E-03	2.40E-04	1.60E-04
747	380445.62	3736308.28	5.93E-04	9.14E-05	6.07E-05
748	380475.62	3736308.28	6.76E-04	1.04E-04	6.93E-05
749	380505.62	3736308.28	7.71E-04	1.19E-04	7.90E-05
750	380535.62	3736308.28	9.02E-04	1.39E-04	9.24E-05
751	380565.62	3736308.28	1.12E-03	1.73E-04	1.15E-04
752	380595.62	3736308.28	1.52E-03	2.34E-04	1.56E-04
753	380625.62	3736308.28	2.34E-03	3.60E-04	2.39E-04
754	380535.62	3736338.28	8.80E-04	1.36E-04	9.01E-05
755	380565.62	3736338.28	1.09E-03	1.69E-04	1.12E-04
756	380595.62	3736338.28	1.48E-03	2.29E-04	1.52E-04
757	380625.62	3736338.28	2.24E-03	3.46E-04	2.30E-04
758	380655.62	3736338.28	3.82E-03	5.88E-04	3.91E-04
759	380535.62	3736368.28	8.45E-04	1.30E-04	8.66E-05
760	380565.62	3736368.28	1.07E-03	1.64E-04	1.09E-04
761	380595.62	3736368.28	1.47E-03	2.26E-04	1.50E-04
762	380625.62	3736368.28	2.18E-03	3.36E-04	2.24E-04
763	380655.62	3736368.28	3.39E-03	5.22E-04	3.47E-04
764	380685.62	3736368.28	5.45E-03	8.40E-04	5.58E-04
765	380535.62	3736398.28	8.24E-04	1.27E-04	8.43E-05
766	380565.62	3736398.28	1.04E-03	1.60E-04	1.07E-04
767	380595.62	3736398.28	1.45E-03	2.24E-04	1.49E-04
768	380625.62	3736398.28	2.14E-03	3.30E-04	2.19E-04
769	380655.62	3736398.28	3.14E-03	4.84E-04	3.21E-04
770	380685.62	3736398.28	4.59E-03	7.08E-04	4.70E-04
771	381432.08	3737194.31	3.72E-03	5.73E-04	3.81E-04
772	381422.5	3737135.21	4.53E-03	6.98E-04	4.64E-04
773	381417.71	3737042.57	5.54E-03	8.54E-04	5.68E-04
774	381400.14	3736975.49	7.78E-03	1.20E-03	7.97E-04
775	381473.61	3736975.49	3.37E-03	5.19E-04	3.45E-04
776	381459.23	3737069.73	3.30E-03	5.08E-04	3.38E-04
777	381468.82	3737138.4	2.87E-03	4.43E-04	2.94E-04
778	381526.31	3737066.53	1.87E-03	2.88E-04	1.91E-04
779	381555.06	3736980.28	1.77E-03	2.73E-04	1.81E-04
780	381494.37	3737026.6	2.55E-03	3.94E-04	2.62E-04
781	381262.35	3736355.69	5.43E-03	8.38E-04	5.57E-04
782	381292.35	3736355.69	4.83E-03	7.44E-04	4.94E-04
783	381262.35	3736385.69	5.91E-03	9.11E-04	6.05E-04
784	381292.35	3736385.69	5.19E-03	8.01E-04	5.32E-04
785	381322.35	3736385.69	4.60E-03	7.08E-04	4.71E-04
786	381262.35	3736415.69	6.42E-03	9.89E-04	6.58E-04
787	381292.35	3736415.69	5.57E-03	8.59E-04	5.71E-04
788	381322.35	3736415.69	4.88E-03	7.52E-04	5.00E-04
789	381352.35	3736415.69	4.31E-03	6.64E-04	4.41E-04
790	381262.35	3736445.69	6.97E-03	1.07E-03	7.14E-04
791	381292.35	3736445.69	5.96E-03	9.19E-04	6.11E-04

792	381322.35	3736445.69	5.17E-03	7.97E-04	5.29E-04
793	381352.35	3736445.69	4.53E-03	6.98E-04	4.64E-04
794	381262.35	3736475.69	7.59E-03	1.17E-03	7.77E-04
795	381292.35	3736475.69	6.40E-03	9.87E-04	6.56E-04
796	381322.35	3736475.69	5.48E-03	8.45E-04	5.61E-04
797	381352.35	3736475.69	4.75E-03	7.33E-04	4.87E-04
798	381382.35	3736475.69	4.16E-03	6.42E-04	4.26E-04
799	381262.35	3736505.69	8.28E-03	1.28E-03	8.48E-04
800	381292.35	3736505.69	6.87E-03	1.06E-03	7.04E-04
801	381322.35	3736505.69	5.82E-03	8.97E-04	5.96E-04
802	381352.35	3736505.69	4.99E-03	7.70E-04	5.12E-04
803	381382.35	3736505.69	4.34E-03	6.69E-04	4.44E-04
804	381262.35	3736535.69	9.11E-03	1.40E-03	9.33E-04
805	381292.35	3736535.69	7.42E-03	1.14E-03	7.60E-04
806	381322.35	3736535.69	6.18E-03	9.53E-04	6.33E-04
807	381352.35	3736535.69	5.26E-03	8.11E-04	5.39E-04
808	381382.35	3736535.69	4.53E-03	6.98E-04	4.64E-04
809	381412.35	3736535.69	3.94E-03	6.08E-04	4.04E-04
810	381262.35	3736565.69	1.02E-02	1.57E-03	1.04E-03
811	381292.35	3736565.69	8.09E-03	1.25E-03	8.29E-04
812	381322.35	3736565.69	6.61E-03	1.02E-03	6.77E-04
813	381352.35	3736565.69	5.56E-03	8.57E-04	5.69E-04
814	381382.35	3736565.69	4.74E-03	7.30E-04	4.85E-04
815	381412.35	3736565.69	4.09E-03	6.31E-04	4.19E-04
816	381262.35	3736595.69	1.15E-02	1.77E-03	1.18E-03
817	381292.35	3736595.69	8.89E-03	1.37E-03	9.10E-04
818	381322.35	3736595.69	7.13E-03	1.10E-03	7.31E-04
819	381352.35	3736595.69	5.91E-03	9.10E-04	6.05E-04
820	381382.35	3736595.69	4.97E-03	7.66E-04	5.09E-04
821	381412.35	3736595.69	4.25E-03	6.54E-04	4.35E-04
822	381442.35	3736595.69	3.68E-03	5.67E-04	3.77E-04
823	381262.35	3736625.69	1.32E-02	2.04E-03	1.35E-03
824	381292.35	3736625.69	9.84E-03	1.52E-03	1.01E-03
825	381322.35	3736625.69	7.73E-03	1.19E-03	7.92E-04
826	381352.35	3736625.69	6.30E-03	9.71E-04	6.45E-04
827	381382.35	3736625.69	5.23E-03	8.05E-04	5.35E-04
828	381412.35	3736625.69	4.41E-03	6.80E-04	4.52E-04
829	381442.35	3736625.69	3.80E-03	5.85E-04	3.89E-04
830	381262.35	3736655.69	1.56E-02	2.41E-03	1.60E-03
831	381292.35	3736655.69	1.10E-02	1.70E-03	1.13E-03
832	381322.35	3736655.69	8.44E-03	1.30E-03	8.64E-04
833	381352.35	3736655.69	6.76E-03	1.04E-03	6.92E-04
834	381382.35	3736655.69	5.52E-03	8.51E-04	5.66E-04
835	381412.35	3736655.69	4.59E-03	7.07E-04	4.70E-04
836	381442.35	3736655.69	3.93E-03	6.05E-04	4.02E-04
837	381472.35	3736655.69	3.39E-03	5.23E-04	3.47E-04
838	381262.35	3736685.69	1.89E-02	2.91E-03	1.93E-03

839	381292.35	3736685.69	1.26E-02	1.95E-03	1.29E-03
840	381322.35	3736685.69	9.30E-03	1.43E-03	9.53E-04
841	381352.35	3736685.69	7.29E-03	1.12E-03	7.46E-04
842	381382.35	3736685.69	5.86E-03	9.04E-04	6.01E-04
843	381412.35	3736685.69	4.84E-03	7.46E-04	4.96E-04
844	381442.35	3736685.69	4.08E-03	6.29E-04	4.18E-04
845	381472.35	3736685.69	3.49E-03	5.38E-04	3.57E-04
846	381292.35	3736715.69	1.46E-02	2.25E-03	1.50E-03
847	381322.35	3736715.69	1.04E-02	1.60E-03	1.06E-03
848	381352.35	3736715.69	7.93E-03	1.22E-03	8.13E-04
849	381382.35	3736715.69	6.27E-03	9.66E-04	6.42E-04
850	381412.35	3736715.69	5.10E-03	7.86E-04	5.22E-04
851	381442.35	3736715.69	4.24E-03	6.54E-04	4.35E-04
852	381472.35	3736715.69	3.59E-03	5.54E-04	3.68E-04
853	381292.35	3736745.69	1.76E-02	2.71E-03	1.80E-03
854	381322.35	3736745.69	1.19E-02	1.84E-03	1.22E-03
855	381352.35	3736745.69	8.74E-03	1.35E-03	8.96E-04
856	381382.35	3736745.69	6.76E-03	1.04E-03	6.92E-04
857	381412.35	3736745.69	5.40E-03	8.33E-04	5.53E-04
858	381442.35	3736745.69	4.43E-03	6.83E-04	4.54E-04
859	381472.35	3736745.69	3.70E-03	5.70E-04	3.79E-04
860	381502.35	3736745.69	3.13E-03	4.82E-04	3.20E-04
861	381322.35	3736775.69	1.38E-02	2.13E-03	1.42E-03
862	381352.35	3736775.69	9.73E-03	1.50E-03	9.97E-04
863	381382.35	3736775.69	7.31E-03	1.13E-03	7.49E-04
864	381412.35	3736775.69	5.72E-03	8.82E-04	5.86E-04
865	381442.35	3736775.69	4.60E-03	7.09E-04	4.71E-04
866	381472.35	3736775.69	3.78E-03	5.83E-04	3.87E-04
867	381502.35	3736775.69	3.16E-03	4.87E-04	3.24E-04
868	381322.35	3736805.69	1.62E-02	2.50E-03	1.66E-03
869	381352.35	3736805.69	1.08E-02	1.67E-03	1.11E-03
870	381382.35	3736805.69	7.92E-03	1.22E-03	8.11E-04
871	381412.35	3736805.69	6.04E-03	9.31E-04	6.19E-04
872	381442.35	3736805.69	4.76E-03	7.33E-04	4.87E-04
873	381472.35	3736805.69	3.85E-03	5.93E-04	3.94E-04
874	381502.35	3736805.69	3.17E-03	4.89E-04	3.25E-04
875	381532.35	3736805.69	2.65E-03	4.09E-04	2.72E-04
876	381322.35	3736835.69	1.93E-02	2.98E-03	1.98E-03
877	381352.35	3736835.69	1.21E-02	1.86E-03	1.23E-03
878	381382.35	3736835.69	8.51E-03	1.31E-03	8.71E-04
879	381412.35	3736835.69	6.32E-03	9.75E-04	6.48E-04
880	381442.35	3736835.69	4.87E-03	7.51E-04	4.99E-04
881	381472.35	3736835.69	3.87E-03	5.96E-04	3.96E-04
882	381502.35	3736835.69	3.15E-03	4.85E-04	3.22E-04
883	381532.35	3736835.69	2.60E-03	4.01E-04	2.67E-04
884	381352.35	3736865.69	1.33E-02	2.05E-03	1.36E-03
885	381382.35	3736865.69	9.06E-03	1.40E-03	9.28E-04

886	381412.35	3736865.69	6.53E-03	1.01E-03	6.69E-04
887	381442.35	3736865.69	4.92E-03	7.59E-04	5.04E-04
888	381472.35	3736865.69	3.84E-03	5.92E-04	3.94E-04
889	381502.35	3736865.69	3.08E-03	4.75E-04	3.16E-04
890	381532.35	3736865.69	2.52E-03	3.89E-04	2.59E-04
891	381352.35	3736895.69	1.45E-02	2.23E-03	1.48E-03
892	381382.35	3736895.69	9.50E-03	1.46E-03	9.73E-04
893	381412.35	3736895.69	6.62E-03	1.02E-03	6.78E-04
894	381442.35	3736895.69	4.89E-03	7.54E-04	5.01E-04
895	381472.35	3736895.69	3.77E-03	5.81E-04	3.86E-04
896	381502.35	3736895.69	2.99E-03	4.61E-04	3.06E-04
897	381532.35	3736895.69	2.42E-03	3.73E-04	2.48E-04
898	381562.35	3736895.69	2.00E-03	3.08E-04	2.05E-04
899	381352.35	3736925.69	1.59E-02	2.45E-03	1.63E-03
900	381382.35	3736925.69	9.79E-03	1.51E-03	1.00E-03
901	381412.35	3736925.69	6.58E-03	1.01E-03	6.74E-04
902	381442.35	3736925.69	4.81E-03	7.41E-04	4.93E-04
903	381472.35	3736925.69	3.66E-03	5.64E-04	3.75E-04
904	381502.35	3736925.69	2.87E-03	4.43E-04	2.94E-04
905	381532.35	3736925.69	2.31E-03	3.56E-04	2.37E-04
906	381562.35	3736925.69	1.89E-03	2.92E-04	1.94E-04
907	381382.35	3736955.69	1.01E-02	1.55E-03	1.03E-03
908	381412.35	3736955.69	6.58E-03	1.01E-03	6.74E-04
909	381442.35	3736955.69	4.68E-03	7.22E-04	4.80E-04
910	381472.35	3736955.69	3.51E-03	5.41E-04	3.60E-04
911	381502.35	3736955.69	2.73E-03	4.21E-04	2.80E-04
912	381532.35	3736955.69	2.19E-03	3.37E-04	2.24E-04
913	381562.35	3736955.69	1.78E-03	2.74E-04	1.82E-04
914	380937.58	3735460.07	1.66E-04	2.56E-05	1.70E-05
915	380967.58	3735460.07	1.71E-04	2.64E-05	1.75E-05
916	380997.58	3735460.07	1.76E-04	2.71E-05	1.80E-05
917	381027.58	3735460.07	1.80E-04	2.77E-05	1.84E-05
918	381057.58	3735460.07	1.84E-04	2.84E-05	1.89E-05
919	381087.58	3735460.07	1.88E-04	2.90E-05	1.93E-05
920	381117.58	3735460.07	1.92E-04	2.97E-05	1.97E-05
921	381147.58	3735460.07	1.96E-04	3.03E-05	2.01E-05
922	381177.58	3735460.07	2.00E-04	3.08E-05	2.05E-05
923	381207.58	3735460.07	2.04E-04	3.14E-05	2.09E-05
924	381237.58	3735460.07	2.07E-04	3.19E-05	2.12E-05
925	381267.58	3735460.07	2.11E-04	3.25E-05	2.16E-05
926	381297.58	3735460.07	2.14E-04	3.30E-05	2.19E-05
927	381327.58	3735460.07	2.18E-04	3.35E-05	2.23E-05
928	381357.58	3735460.07	2.21E-04	3.41E-05	2.27E-05
929	381387.58	3735460.07	2.25E-04	3.46E-05	2.30E-05
930	381417.58	3735460.07	2.28E-04	3.52E-05	2.34E-05
931	381447.58	3735460.07	2.32E-04	3.57E-05	2.37E-05
932	381477.58	3735460.07	2.35E-04	3.63E-05	2.41E-05

933	381507.58	3735460.07	2.39E-04	3.69E-05	2.45E-05
934	381537.58	3735460.07	2.43E-04	3.74E-05	2.49E-05
935	381567.58	3735460.07	2.47E-04	3.80E-05	2.53E-05
936	381597.58	3735460.07	2.51E-04	3.86E-05	2.57E-05
937	381627.58	3735460.07	2.54E-04	3.92E-05	2.61E-05
938	381657.58	3735460.07	2.58E-04	3.98E-05	2.65E-05
939	381687.58	3735460.07	2.62E-04	4.04E-05	2.69E-05
940	381717.58	3735460.07	2.66E-04	4.10E-05	2.72E-05
941	381747.58	3735460.07	2.70E-04	4.15E-05	2.76E-05
942	381777.58	3735460.07	2.73E-04	4.21E-05	2.80E-05
943	381807.58	3735460.07	2.76E-04	4.26E-05	2.83E-05
944	380937.58	3735490.07	1.77E-04	2.72E-05	1.81E-05
945	380967.58	3735490.07	1.82E-04	2.80E-05	1.86E-05
946	380997.58	3735490.07	1.87E-04	2.88E-05	1.91E-05
947	381027.58	3735490.07	1.91E-04	2.95E-05	1.96E-05
948	381057.58	3735490.07	1.96E-04	3.02E-05	2.01E-05
949	381087.58	3735490.07	2.01E-04	3.09E-05	2.05E-05
950	381117.58	3735490.07	2.05E-04	3.16E-05	2.10E-05
951	381147.58	3735490.07	2.09E-04	3.22E-05	2.14E-05
952	381177.58	3735490.07	2.13E-04	3.28E-05	2.18E-05
953	381207.58	3735490.07	2.17E-04	3.35E-05	2.22E-05
954	381237.58	3735490.07	2.21E-04	3.41E-05	2.26E-05
955	381267.58	3735490.07	2.25E-04	3.46E-05	2.30E-05
956	381297.58	3735490.07	2.29E-04	3.52E-05	2.34E-05
957	381327.58	3735490.07	2.32E-04	3.58E-05	2.38E-05
958	381357.58	3735490.07	2.32E-04	3.58E-05	2.38E-05
959	381387.58	3735490.07	2.37E-04	3.65E-05	2.43E-05
960	381417.58	3735490.07	2.44E-04	3.76E-05	2.50E-05
961	381447.58	3735490.07	2.48E-04	3.82E-05	2.54E-05
962	381477.58	3735490.07	2.52E-04	3.89E-05	2.58E-05
963	381507.58	3735490.07	2.56E-04	3.95E-05	2.62E-05
964	381537.58	3735490.07	2.60E-04	4.01E-05	2.67E-05
965	381567.58	3735490.07	2.65E-04	4.08E-05	2.71E-05
966	381597.58	3735490.07	2.69E-04	4.14E-05	2.75E-05
967	381627.58	3735490.07	2.73E-04	4.20E-05	2.79E-05
968	381657.58	3735490.07	2.77E-04	4.27E-05	2.84E-05
969	381687.58	3735490.07	2.81E-04	4.34E-05	2.88E-05
970	381717.58	3735490.07	2.85E-04	4.40E-05	2.92E-05
971	381747.58	3735490.07	2.89E-04	4.46E-05	2.96E-05
972	381777.58	3735490.07	2.93E-04	4.51E-05	3.00E-05
973	380937.58	3735520.07	1.88E-04	2.90E-05	1.93E-05
974	380967.58	3735520.07	1.94E-04	2.98E-05	1.98E-05
975	380997.58	3735520.07	1.99E-04	3.07E-05	2.04E-05
976	381027.58	3735520.07	2.04E-04	3.15E-05	2.09E-05
977	381057.58	3735520.07	2.09E-04	3.23E-05	2.14E-05
978	381087.58	3735520.07	2.14E-04	3.30E-05	2.19E-05
979	381117.58	3735520.07	2.19E-04	3.37E-05	2.24E-05

980	381147.58	3735520.07	2.23E-04	3.44E-05	2.29E-05
981	381177.58	3735520.07	2.28E-04	3.51E-05	2.33E-05
982	381207.58	3735520.07	2.32E-04	3.58E-05	2.38E-05
983	381237.58	3735520.07	2.36E-04	3.64E-05	2.42E-05
984	381267.58	3735520.07	2.41E-04	3.71E-05	2.46E-05
985	381297.58	3735520.07	2.45E-04	3.77E-05	2.51E-05
986	381327.58	3735520.07	2.49E-04	3.84E-05	2.55E-05
987	381357.58	3735520.07	2.50E-04	3.86E-05	2.56E-05
988	381387.58	3735520.07	2.55E-04	3.93E-05	2.61E-05
989	381417.58	3735520.07	2.62E-04	4.04E-05	2.69E-05
990	381447.58	3735520.07	2.67E-04	4.11E-05	2.73E-05
991	381477.58	3735520.07	2.71E-04	4.18E-05	2.77E-05
992	381507.58	3735520.07	2.75E-04	4.24E-05	2.82E-05
993	381537.58	3735520.07	2.80E-04	4.32E-05	2.87E-05
994	381567.58	3735520.07	2.85E-04	4.39E-05	2.92E-05
995	381597.58	3735520.07	2.89E-04	4.46E-05	2.96E-05
996	381627.58	3735520.07	2.94E-04	4.52E-05	3.01E-05
997	381657.58	3735520.07	2.98E-04	4.59E-05	3.05E-05
998	381687.58	3735520.07	3.03E-04	4.66E-05	3.10E-05
999	380937.58	3735550.07	2.01E-04	3.10E-05	2.06E-05
1000	380967.58	3735550.07	2.07E-04	3.19E-05	2.12E-05
1001	380997.58	3735550.07	2.13E-04	3.28E-05	2.18E-05
1002	381027.58	3735550.07	2.19E-04	3.37E-05	2.24E-05
1003	381057.58	3735550.07	2.24E-04	3.46E-05	2.30E-05
1004	381087.58	3735550.07	2.29E-04	3.54E-05	2.35E-05
1005	381117.58	3735550.07	2.35E-04	3.62E-05	2.40E-05
1006	381147.58	3735550.07	2.40E-04	3.69E-05	2.45E-05
1007	381177.58	3735550.07	2.44E-04	3.77E-05	2.50E-05
1008	381207.58	3735550.07	2.49E-04	3.84E-05	2.55E-05
1009	381237.58	3735550.07	2.54E-04	3.91E-05	2.60E-05
1010	381267.58	3735550.07	2.59E-04	3.99E-05	2.65E-05
1011	381297.58	3735550.07	2.63E-04	4.06E-05	2.70E-05
1012	381327.58	3735550.07	2.68E-04	4.13E-05	2.75E-05
1013	381357.58	3735550.07	2.73E-04	4.21E-05	2.79E-05
1014	381387.58	3735550.07	2.78E-04	4.28E-05	2.84E-05
1015	381417.58	3735550.07	2.83E-04	4.36E-05	2.90E-05
1016	381447.58	3735550.07	2.88E-04	4.43E-05	2.95E-05
1017	381477.58	3735550.07	2.92E-04	4.51E-05	3.00E-05
1018	381507.58	3735550.07	2.97E-04	4.58E-05	3.04E-05
1019	381537.58	3735550.07	3.03E-04	4.66E-05	3.10E-05
1020	381567.58	3735550.07	3.08E-04	4.74E-05	3.15E-05
1021	381597.58	3735550.07	3.12E-04	4.81E-05	3.20E-05
1022	381627.58	3735550.07	3.17E-04	4.89E-05	3.25E-05
1023	380937.58	3735580.07	2.16E-04	3.32E-05	2.21E-05
1024	380967.58	3735580.07	2.22E-04	3.43E-05	2.28E-05
1025	380997.58	3735580.07	2.29E-04	3.53E-05	2.34E-05
1026	381027.58	3735580.07	2.35E-04	3.62E-05	2.41E-05

1027	381057.58	3735580.07	2.41E-04	3.72E-05	2.47E-05
1028	381087.58	3735580.07	2.47E-04	3.80E-05	2.53E-05
1029	381117.58	3735580.07	2.53E-04	3.89E-05	2.59E-05
1030	381147.58	3735580.07	2.58E-04	3.98E-05	2.64E-05
1031	381177.58	3735580.07	2.63E-04	4.06E-05	2.70E-05
1032	381207.58	3735580.07	2.69E-04	4.14E-05	2.75E-05
1033	381237.58	3735580.07	2.74E-04	4.22E-05	2.81E-05
1034	381267.58	3735580.07	2.79E-04	4.30E-05	2.86E-05
1035	381297.58	3735580.07	2.84E-04	4.38E-05	2.91E-05
1036	381327.58	3735580.07	2.90E-04	4.47E-05	2.97E-05
1037	381357.58	3735580.07	2.95E-04	4.55E-05	3.02E-05
1038	381387.58	3735580.07	3.01E-04	4.63E-05	3.08E-05
1039	381417.58	3735580.07	3.06E-04	4.72E-05	3.13E-05
1040	381447.58	3735580.07	3.11E-04	4.80E-05	3.19E-05
1041	381477.58	3735580.07	3.17E-04	4.89E-05	3.25E-05
1042	381507.58	3735580.07	3.22E-04	4.97E-05	3.30E-05
1043	381537.58	3735580.07	3.28E-04	5.05E-05	3.36E-05
1044	380937.58	3735610.07	2.32E-04	3.58E-05	2.38E-05
1045	380967.58	3735610.07	2.40E-04	3.69E-05	2.46E-05
1046	380997.58	3735610.07	2.47E-04	3.80E-05	2.53E-05
1047	381027.58	3735610.07	2.54E-04	3.91E-05	2.60E-05
1048	381057.58	3735610.07	2.60E-04	4.01E-05	2.67E-05
1049	381087.58	3735610.07	2.67E-04	4.11E-05	2.73E-05
1050	381117.58	3735610.07	2.73E-04	4.21E-05	2.80E-05
1051	381147.58	3735610.07	2.79E-04	4.30E-05	2.86E-05
1052	381177.58	3735610.07	2.85E-04	4.39E-05	2.92E-05
1053	381207.58	3735610.07	2.91E-04	4.48E-05	2.98E-05
1054	381237.58	3735610.07	2.97E-04	4.57E-05	3.04E-05
1055	381267.58	3735610.07	3.03E-04	4.67E-05	3.10E-05
1056	381297.58	3735610.07	3.09E-04	4.76E-05	3.16E-05
1057	381327.58	3735610.07	3.15E-04	4.85E-05	3.22E-05
1058	381357.58	3735610.07	3.21E-04	4.94E-05	3.28E-05
1059	381387.58	3735610.07	3.27E-04	5.04E-05	3.35E-05
1060	381417.58	3735610.07	3.33E-04	5.13E-05	3.41E-05
1061	381447.58	3735610.07	3.39E-04	5.22E-05	3.47E-05
1062	381477.58	3735610.07	3.45E-04	5.31E-05	3.53E-05
1063	380937.58	3735640.07	2.51E-04	3.87E-05	2.57E-05
1064	380967.58	3735640.07	2.60E-04	4.00E-05	2.66E-05
1065	380997.58	3735640.07	2.68E-04	4.12E-05	2.74E-05
1066	381027.58	3735640.07	2.75E-04	4.24E-05	2.82E-05
1067	381057.58	3735640.07	2.83E-04	4.36E-05	2.89E-05
1068	381087.58	3735640.07	2.90E-04	4.46E-05	2.97E-05
1069	381117.58	3735640.07	2.97E-04	4.57E-05	3.04E-05
1070	381147.58	3735640.07	3.03E-04	4.68E-05	3.11E-05
1071	381177.58	3735640.07	3.10E-04	4.78E-05	3.18E-05
1072	381207.58	3735640.07	3.17E-04	4.88E-05	3.24E-05
1073	381237.58	3735640.07	3.23E-04	4.98E-05	3.31E-05

1074	381267.58	3735640.07	3.30E-04	5.08E-05	3.38E-05
1075	381297.58	3735640.07	3.37E-04	5.19E-05	3.45E-05
1076	381327.58	3735640.07	3.43E-04	5.29E-05	3.52E-05
1077	381357.58	3735640.07	3.50E-04	5.39E-05	3.58E-05
1078	381387.58	3735640.07	3.57E-04	5.50E-05	3.65E-05
1079	380937.58	3735670.07	2.73E-04	4.21E-05	2.80E-05
1080	380967.58	3735670.07	2.83E-04	4.35E-05	2.89E-05
1081	380997.58	3735670.07	2.91E-04	4.49E-05	2.98E-05
1082	381027.58	3735670.07	3.00E-04	4.62E-05	3.07E-05
1083	381057.58	3735670.07	3.08E-04	4.75E-05	3.16E-05
1084	381087.58	3735670.07	3.16E-04	4.87E-05	3.24E-05
1085	381117.58	3735670.07	3.24E-04	4.99E-05	3.32E-05
1086	381147.58	3735670.07	3.32E-04	5.11E-05	3.40E-05
1087	381177.58	3735670.07	3.39E-04	5.23E-05	3.47E-05
1088	381207.58	3735670.07	3.47E-04	5.34E-05	3.55E-05
1089	381237.58	3735670.07	3.54E-04	5.45E-05	3.62E-05
1090	380937.58	3735700.07	2.99E-04	4.60E-05	3.06E-05
1091	380967.58	3735700.07	3.09E-04	4.76E-05	3.17E-05
1092	380997.58	3735700.07	3.19E-04	4.92E-05	3.27E-05
1093	381027.58	3735700.07	3.29E-04	5.07E-05	3.37E-05
1094	381057.58	3735700.07	3.38E-04	5.21E-05	3.46E-05
1095	381087.58	3735700.07	3.47E-04	5.35E-05	3.56E-05
1096	381117.58	3735700.07	3.56E-04	5.48E-05	3.64E-05
1097	381147.58	3735700.07	3.64E-04	5.62E-05	3.73E-05
1098	381177.58	3735700.07	3.73E-04	5.75E-05	3.82E-05
1099	381207.58	3735700.07	3.81E-04	5.88E-05	3.91E-05
1100	380937.58	3735730.07	3.28E-04	5.06E-05	3.36E-05
1101	380967.58	3735730.07	3.40E-04	5.25E-05	3.49E-05
1102	380997.58	3735730.07	3.52E-04	5.42E-05	3.60E-05
1103	381027.58	3735730.07	3.63E-04	5.59E-05	3.71E-05
1104	381057.58	3735730.07	3.73E-04	5.75E-05	3.82E-05
1105	381087.58	3735730.07	3.83E-04	5.91E-05	3.93E-05
1106	381117.58	3735730.07	3.93E-04	6.06E-05	4.03E-05
1107	381147.58	3735730.07	4.03E-04	6.22E-05	4.13E-05
1108	381177.58	3735730.07	4.13E-04	6.37E-05	4.23E-05
1109	380997.58	3735760.07	3.90E-04	6.01E-05	4.00E-05
1110	381027.58	3735760.07	4.03E-04	6.21E-05	4.12E-05
1111	381057.58	3735760.07	4.15E-04	6.39E-05	4.25E-05
1112	381087.58	3735760.07	4.27E-04	6.58E-05	4.37E-05
1113	381117.58	3735760.07	4.38E-04	6.75E-05	4.49E-05
1114	381147.58	3735760.07	4.49E-04	6.93E-05	4.60E-05
1115	380937.58	3735790.07	4.06E-04	6.25E-05	4.15E-05
1116	380937.58	3735820.07	4.56E-04	7.02E-05	4.67E-05
1117	380967.58	3735820.07	4.74E-04	7.31E-05	4.86E-05
1118	380997.58	3735820.07	4.92E-04	7.58E-05	5.04E-05
1119	381027.58	3735820.07	5.09E-04	7.85E-05	5.22E-05
1120	381057.58	3735820.07	5.25E-04	8.09E-05	5.38E-05

1121	381087.58	3735820.07	5.41E-04	8.34E-05	5.54E-05
1122	380937.58	3735850.07	5.18E-04	7.98E-05	5.30E-05
1123	380967.58	3735850.07	5.39E-04	8.31E-05	5.52E-05
1124	380997.58	3735850.07	5.60E-04	8.63E-05	5.74E-05
1125	381027.58	3735850.07	5.80E-04	8.95E-05	5.94E-05
1126	381057.58	3735850.07	5.99E-04	9.24E-05	6.14E-05
1127	381087.58	3735850.07	6.18E-04	9.52E-05	6.33E-05
1128	380937.58	3735880.07	5.94E-04	9.16E-05	6.09E-05
1129	380967.58	3735880.07	6.20E-04	9.56E-05	6.35E-05
1130	380997.58	3735880.07	6.45E-04	9.94E-05	6.61E-05
1131	381027.58	3735880.07	6.69E-04	1.03E-04	6.85E-05
1132	381057.58	3735880.07	6.91E-04	1.06E-04	7.08E-05
1133	381087.58	3735880.07	7.12E-04	1.10E-04	7.29E-05
1134	380937.58	3735910.07	6.91E-04	1.07E-04	7.08E-05
1135	380967.58	3735910.07	7.22E-04	1.11E-04	7.40E-05
1136	380997.58	3735910.07	7.51E-04	1.16E-04	7.70E-05
1137	381027.58	3735910.07	7.79E-04	1.20E-04	7.98E-05
1138	381057.58	3735910.07	8.04E-04	1.24E-04	8.24E-05
1139	381087.58	3735910.07	8.27E-04	1.28E-04	8.47E-05
1140	381117.58	3735910.07	8.49E-04	1.31E-04	8.69E-05
1141	380937.58	3735940.07	8.15E-04	1.26E-04	8.35E-05
1142	380967.58	3735940.07	8.53E-04	1.31E-04	8.74E-05
1143	380997.58	3735940.07	8.87E-04	1.37E-04	9.09E-05
1144	381027.58	3735940.07	9.18E-04	1.42E-04	9.40E-05
1145	381057.58	3735940.07	9.46E-04	1.46E-04	9.69E-05
1146	381087.58	3735940.07	9.71E-04	1.50E-04	9.95E-05
1147	381117.58	3735940.07	9.93E-04	1.53E-04	1.02E-04
1148	380967.58	3735970.07	1.02E-03	1.57E-04	1.05E-04
1149	380997.58	3735970.07	1.06E-03	1.63E-04	1.09E-04
1150	381027.58	3735970.07	1.09E-03	1.69E-04	1.12E-04
1151	381057.58	3735970.07	1.12E-03	1.73E-04	1.15E-04
1152	381087.58	3735970.07	1.15E-03	1.77E-04	1.18E-04
1153	381117.58	3735970.07	1.17E-03	1.81E-04	1.20E-04
1154	381147.58	3735970.07	1.19E-03	1.83E-04	1.22E-04
1155	381027.58	3736000.07	1.32E-03	2.03E-04	1.35E-04
1156	381057.58	3736000.07	1.35E-03	2.08E-04	1.38E-04
1157	381087.58	3736000.07	1.37E-03	2.12E-04	1.41E-04
1158	381117.58	3736000.07	1.39E-03	2.15E-04	1.43E-04
1159	381147.58	3736000.07	1.41E-03	2.17E-04	1.44E-04
1160	380997.58	3736030.07	1.57E-03	2.43E-04	1.61E-04
1161	381027.58	3736030.07	1.61E-03	2.48E-04	1.65E-04
1162	381057.58	3736030.07	1.63E-03	2.52E-04	1.67E-04
1163	381087.58	3736030.07	1.65E-03	2.54E-04	1.69E-04
1164	381117.58	3736030.07	1.66E-03	2.56E-04	1.70E-04
1165	381147.58	3736030.07	1.67E-03	2.57E-04	1.71E-04
1166	380997.58	3736060.07	1.95E-03	3.00E-04	1.99E-04
1167	381027.58	3736060.07	1.97E-03	3.04E-04	2.02E-04

1168	381057.58	3736060.07	1.99E-03	3.07E-04	2.04E-04
1169	381087.58	3736060.07	2.00E-03	3.08E-04	2.05E-04
1170	381117.58	3736060.07	2.00E-03	3.08E-04	2.05E-04
1171	381147.58	3736060.07	1.99E-03	3.06E-04	2.04E-04
1172	381177.58	3736060.07	1.97E-03	3.03E-04	2.02E-04
1173	380967.58	3736090.07	2.41E-03	3.72E-04	2.47E-04
1174	380997.58	3736090.07	2.44E-03	3.76E-04	2.50E-04
1175	381027.58	3736090.07	2.45E-03	3.78E-04	2.51E-04
1176	381057.58	3736090.07	2.45E-03	3.77E-04	2.51E-04
1177	381087.58	3736090.07	2.43E-03	3.75E-04	2.49E-04
1178	381117.58	3736090.07	2.41E-03	3.71E-04	2.47E-04
1179	381147.58	3736090.07	2.37E-03	3.65E-04	2.43E-04
1180	381177.58	3736090.07	2.32E-03	3.58E-04	2.38E-04
1181	380967.58	3736120.07	3.09E-03	4.76E-04	3.16E-04
1182	380997.58	3736120.07	3.09E-03	4.76E-04	3.16E-04
1183	381027.58	3736120.07	3.07E-03	4.73E-04	3.14E-04
1184	381057.58	3736120.07	3.03E-03	4.68E-04	3.11E-04
1185	381087.58	3736120.07	2.98E-03	4.59E-04	3.05E-04
1186	381117.58	3736120.07	2.91E-03	4.49E-04	2.98E-04
1187	381147.58	3736120.07	2.83E-03	4.36E-04	2.90E-04
1188	381177.58	3736120.07	2.74E-03	4.22E-04	2.80E-04
1189	380937.58	3736150.07	4.04E-03	6.23E-04	4.14E-04
1190	380967.58	3736150.07	4.01E-03	6.18E-04	4.11E-04
1191	380997.58	3736150.07	3.96E-03	6.11E-04	4.06E-04
1192	381027.58	3736150.07	3.89E-03	5.99E-04	3.98E-04
1193	381057.58	3736150.07	3.78E-03	5.83E-04	3.88E-04
1194	381087.58	3736150.07	3.66E-03	5.64E-04	3.75E-04
1195	381117.58	3736150.07	3.52E-03	5.42E-04	3.60E-04
1196	381147.58	3736150.07	3.36E-03	5.19E-04	3.45E-04
1197	381177.58	3736150.07	3.21E-03	4.94E-04	3.29E-04
1198	381207.58	3736150.07	3.05E-03	4.70E-04	3.12E-04
1199	380937.58	3736180.07	5.43E-03	8.37E-04	5.56E-04
1200	380967.58	3736180.07	5.33E-03	8.21E-04	5.46E-04
1201	380997.58	3736180.07	5.17E-03	7.97E-04	5.30E-04
1202	381027.58	3736180.07	4.97E-03	7.66E-04	5.09E-04
1203	381057.58	3736180.07	4.73E-03	7.30E-04	4.85E-04
1204	381087.58	3736180.07	4.49E-03	6.91E-04	4.59E-04
1205	381117.58	3736180.07	4.23E-03	6.52E-04	4.33E-04
1206	381147.58	3736180.07	3.98E-03	6.13E-04	4.08E-04
1207	381177.58	3736180.07	3.74E-03	5.76E-04	3.83E-04
1208	381207.58	3736180.07	3.51E-03	5.40E-04	3.59E-04
1209	380937.58	3736210.07	7.59E-03	1.17E-03	7.77E-04
1210	380967.58	3736210.07	7.28E-03	1.12E-03	7.46E-04
1211	380997.58	3736210.07	6.84E-03	1.05E-03	7.01E-04
1212	381027.58	3736210.07	6.38E-03	9.83E-04	6.53E-04
1213	381057.58	3736210.07	5.91E-03	9.11E-04	6.05E-04
1214	381087.58	3736210.07	5.47E-03	8.43E-04	5.60E-04

1215	381117.58	3736210.07	5.06E-03	7.79E-04	5.18E-04
1216	381147.58	3736210.07	4.67E-03	7.20E-04	4.78E-04
1217	381177.58	3736210.07	4.32E-03	6.65E-04	4.42E-04
1218	381207.58	3736210.07	4.00E-03	6.16E-04	4.09E-04
1219	381237.58	3736210.07	3.70E-03	5.71E-04	3.79E-04
1220	380937.58	3736240.07	1.12E-02	1.73E-03	1.15E-03
1221	380967.58	3736240.07	1.02E-02	1.57E-03	1.05E-03
1222	380997.58	3736240.07	9.14E-03	1.41E-03	9.37E-04
1223	381027.58	3736240.07	8.17E-03	1.26E-03	8.37E-04
1224	381057.58	3736240.07	7.31E-03	1.13E-03	7.49E-04
1225	381087.58	3736240.07	6.60E-03	1.02E-03	6.76E-04
1226	381117.58	3736240.07	5.98E-03	9.22E-04	6.13E-04
1227	381147.58	3736240.07	5.43E-03	8.37E-04	5.56E-04
1228	381177.58	3736240.07	4.95E-03	7.62E-04	5.07E-04
1229	381207.58	3736240.07	4.52E-03	6.96E-04	4.63E-04
1230	381237.58	3736240.07	4.14E-03	6.38E-04	4.24E-04
1231	380937.58	3736270.07	1.73E-02	2.66E-03	1.77E-03
1232	380967.58	3736270.07	1.44E-02	2.21E-03	1.47E-03
1233	380997.58	3736270.07	1.21E-02	1.87E-03	1.24E-03
1234	381027.58	3736270.07	1.04E-02	1.60E-03	1.06E-03
1235	381057.58	3736270.07	8.97E-03	1.38E-03	9.19E-04
1236	381087.58	3736270.07	7.89E-03	1.22E-03	8.08E-04
1237	381117.58	3736270.07	7.01E-03	1.08E-03	7.18E-04
1238	381147.58	3736270.07	6.26E-03	9.65E-04	6.42E-04
1239	381177.58	3736270.07	5.62E-03	8.66E-04	5.76E-04
1240	381207.58	3736270.07	5.07E-03	7.81E-04	5.19E-04
1241	381237.58	3736270.07	4.59E-03	7.07E-04	4.70E-04
1242	381267.58	3736270.07	4.17E-03	6.43E-04	4.27E-04
1243	380967.58	3736300.07	1.98E-02	3.05E-03	2.03E-03
1244	380997.58	3736300.07	1.59E-02	2.46E-03	1.63E-03
1245	381027.58	3736300.07	1.31E-02	2.02E-03	1.34E-03
1246	381057.58	3736300.07	1.09E-02	1.69E-03	1.12E-03
1247	381087.58	3736300.07	9.37E-03	1.44E-03	9.60E-04
1248	381117.58	3736300.07	8.17E-03	1.26E-03	8.37E-04
1249	381147.58	3736300.07	7.17E-03	1.11E-03	7.35E-04
1250	381177.58	3736300.07	6.35E-03	9.78E-04	6.50E-04
1251	381207.58	3736300.07	5.65E-03	8.71E-04	5.79E-04
1252	381237.58	3736300.07	5.06E-03	7.81E-04	5.19E-04
1253	381267.58	3736300.07	4.56E-03	7.02E-04	4.67E-04
1254	380997.58	3736330.07	2.12E-02	3.27E-03	2.17E-03
1255	381027.58	3736330.07	1.67E-02	2.58E-03	1.71E-03
1256	381057.58	3736330.07	1.34E-02	2.07E-03	1.38E-03
1257	381087.58	3736330.07	1.12E-02	1.72E-03	1.14E-03
1258	381117.58	3736330.07	9.50E-03	1.46E-03	9.74E-04
1259	381147.58	3736330.07	8.20E-03	1.26E-03	8.39E-04
1260	381177.58	3736330.07	7.15E-03	1.10E-03	7.32E-04
1261	381207.58	3736330.07	6.29E-03	9.69E-04	6.44E-04

1262	381237.58	3736330.07	5.57E-03	8.58E-04	5.70E-04
1263	381267.58	3736330.07	4.96E-03	7.64E-04	5.08E-04
1264	381297.58	3736330.07	4.45E-03	6.85E-04	4.55E-04
1265	380673.9	3735638.46	1.72E-04	2.66E-05	1.77E-05
1266	380703.9	3735638.46	1.81E-04	2.79E-05	1.85E-05
1267	380733.9	3735638.46	1.90E-04	2.92E-05	1.94E-05
1268	380763.9	3735638.46	1.98E-04	3.06E-05	2.03E-05
1269	380793.9	3735638.46	2.07E-04	3.20E-05	2.12E-05
1270	380823.9	3735638.46	2.17E-04	3.34E-05	2.22E-05
1271	380853.9	3735638.46	2.26E-04	3.48E-05	2.31E-05
1272	380883.9	3735638.46	2.35E-04	3.62E-05	2.41E-05
1273	380913.9	3735638.46	2.44E-04	3.75E-05	2.49E-05
1274	380673.9	3735668.46	1.84E-04	2.84E-05	1.89E-05
1275	380703.9	3735668.46	1.94E-04	2.99E-05	1.98E-05
1276	380733.9	3735668.46	2.04E-04	3.14E-05	2.08E-05
1277	380763.9	3735668.46	2.10E-04	3.24E-05	2.15E-05
1278	380793.9	3735668.46	2.22E-04	3.42E-05	2.27E-05
1279	380823.9	3735668.46	2.34E-04	3.61E-05	2.40E-05
1280	380853.9	3735668.46	2.45E-04	3.77E-05	2.51E-05
1281	380883.9	3735668.46	2.55E-04	3.93E-05	2.61E-05
1282	380913.9	3735668.46	2.64E-04	4.08E-05	2.71E-05
1283	380733.9	3735698.46	2.20E-04	3.39E-05	2.25E-05
1284	380763.9	3735698.46	2.29E-04	3.53E-05	2.34E-05
1285	380793.9	3735698.46	2.41E-04	3.71E-05	2.47E-05
1286	380823.9	3735698.46	2.55E-04	3.93E-05	2.61E-05
1287	380853.9	3735698.46	2.66E-04	4.11E-05	2.73E-05
1288	380883.9	3735698.46	2.78E-04	4.28E-05	2.85E-05
1289	380913.9	3735698.46	2.89E-04	4.45E-05	2.96E-05
1290	380673.9	3735728.46	2.14E-04	3.29E-05	2.19E-05
1291	380703.9	3735728.46	2.26E-04	3.48E-05	2.31E-05
1292	380733.9	3735728.46	2.38E-04	3.67E-05	2.44E-05
1293	380853.9	3735728.46	2.92E-04	4.50E-05	2.99E-05
1294	380883.9	3735728.46	3.05E-04	4.70E-05	3.12E-05
1295	380913.9	3735728.46	3.17E-04	4.89E-05	3.25E-05
1296	380583.9	3735758.46	1.95E-04	3.00E-05	1.99E-05
1297	380613.9	3735758.46	2.06E-04	3.17E-05	2.11E-05
1298	380643.9	3735758.46	2.18E-04	3.36E-05	2.24E-05
1299	380673.9	3735758.46	2.32E-04	3.57E-05	2.37E-05
1300	380703.9	3735758.46	2.46E-04	3.78E-05	2.52E-05
1301	380733.9	3735758.46	2.60E-04	4.01E-05	2.67E-05
1302	380763.9	3735758.46	2.75E-04	4.24E-05	2.82E-05
1303	380793.9	3735758.46	2.91E-04	4.48E-05	2.98E-05
1304	380613.9	3735788.46	2.23E-04	3.44E-05	2.28E-05
1305	380643.9	3735788.46	2.37E-04	3.66E-05	2.43E-05
1306	380673.9	3735788.46	2.52E-04	3.89E-05	2.59E-05
1307	380703.9	3735788.46	2.69E-04	4.14E-05	2.75E-05
1308	380733.9	3735788.46	2.86E-04	4.41E-05	2.93E-05

1309	380763.9	3735788.46	3.03E-04	4.68E-05	3.11E-05
1310	380793.9	3735788.46	3.21E-04	4.95E-05	3.29E-05
1311	380823.9	3735788.46	3.39E-04	5.22E-05	3.47E-05
1312	380853.9	3735788.46	3.57E-04	5.49E-05	3.65E-05
1313	380883.9	3735788.46	3.74E-04	5.76E-05	3.83E-05
1314	380913.9	3735788.46	3.90E-04	6.02E-05	4.00E-05
1315	380643.9	3735818.46	2.59E-04	3.99E-05	2.65E-05
1316	380673.9	3735818.46	2.77E-04	4.27E-05	2.84E-05
1317	380703.9	3735818.46	2.96E-04	4.56E-05	3.03E-05
1318	380733.9	3735818.46	3.16E-04	4.87E-05	3.24E-05
1319	380763.9	3735818.46	3.37E-04	5.19E-05	3.45E-05
1320	380793.9	3735818.46	3.58E-04	5.51E-05	3.66E-05
1321	380823.9	3735818.46	3.78E-04	5.83E-05	3.88E-05
1322	380853.9	3735818.46	3.99E-04	6.14E-05	4.08E-05
1323	380883.9	3735818.46	4.19E-04	6.45E-05	4.29E-05
1324	380913.9	3735818.46	4.38E-04	6.75E-05	4.49E-05
1325	380733.9	3735848.46	3.52E-04	5.42E-05	3.60E-05
1326	380763.9	3735848.46	3.76E-04	5.80E-05	3.85E-05
1327	380793.9	3735848.46	4.01E-04	6.19E-05	4.11E-05
1328	380823.9	3735848.46	4.26E-04	6.56E-05	4.36E-05
1329	380853.9	3735848.46	4.50E-04	6.94E-05	4.61E-05
1330	380883.9	3735848.46	4.74E-04	7.30E-05	4.85E-05
1331	380913.9	3735848.46	4.96E-04	7.65E-05	5.08E-05
1332	380793.9	3735878.46	4.54E-04	7.00E-05	4.65E-05
1333	380823.9	3735878.46	4.84E-04	7.46E-05	4.96E-05
1334	380853.9	3735878.46	5.13E-04	7.91E-05	5.25E-05
1335	380883.9	3735878.46	5.41E-04	8.34E-05	5.54E-05
1336	380913.9	3735878.46	5.69E-04	8.77E-05	5.83E-05
1337	380853.9	3735908.46	5.92E-04	9.12E-05	6.06E-05
1338	380883.9	3735908.46	6.26E-04	9.65E-05	6.41E-05
1339	380913.9	3735908.46	6.60E-04	1.02E-04	6.76E-05
1340	380913.9	3735938.46	7.77E-04	1.20E-04	7.95E-05
1341	380583.9	3735998.46	4.29E-04	6.61E-05	4.39E-05
1342	380583.9	3736028.46	4.92E-04	7.58E-05	5.04E-05
1343	380613.9	3736028.46	5.49E-04	8.46E-05	5.62E-05
1344	380583.9	3736058.46	5.71E-04	8.80E-05	5.85E-05
1345	380613.9	3736058.46	6.47E-04	9.98E-05	6.63E-05
1346	380643.9	3736058.46	7.41E-04	1.14E-04	7.59E-05
1347	380583.9	3736088.46	6.74E-04	1.04E-04	6.90E-05
1348	380613.9	3736088.46	7.80E-04	1.20E-04	7.99E-05
1349	380643.9	3736088.46	9.17E-04	1.41E-04	9.39E-05
1350	380673.9	3736088.46	1.09E-03	1.67E-04	1.11E-04
1351	380733.9	3736088.46	1.46E-03	2.25E-04	1.50E-04
1352	380763.9	3736088.46	1.65E-03	2.54E-04	1.69E-04
1353	380793.9	3736088.46	1.82E-03	2.81E-04	1.87E-04
1354	380823.9	3736088.46	1.98E-03	3.06E-04	2.03E-04
1355	380853.9	3736088.46	2.12E-03	3.27E-04	2.17E-04

1356	380613.9	3736118.46	9.65E-04	1.49E-04	9.88E-05
1357	380643.9	3736118.46	1.19E-03	1.83E-04	1.22E-04
1358	380673.9	3736118.46	1.48E-03	2.28E-04	1.52E-04
1359	380763.9	3736118.46	2.37E-03	3.65E-04	2.43E-04
1360	380793.9	3736118.46	2.59E-03	4.00E-04	2.66E-04
1361	380823.9	3736118.46	2.76E-03	4.26E-04	2.83E-04
1362	380853.9	3736118.46	2.88E-03	4.44E-04	2.95E-04
1363	380883.9	3736118.46	2.96E-03	4.57E-04	3.04E-04
1364	380913.9	3736118.46	3.01E-03	4.64E-04	3.08E-04
1365	380643.9	3736148.46	1.65E-03	2.55E-04	1.69E-04
1366	380673.9	3736148.46	2.29E-03	3.53E-04	2.35E-04
1367	380703.9	3736148.46	2.94E-03	4.53E-04	3.01E-04
1368	380793.9	3736148.46	3.88E-03	5.98E-04	3.97E-04
1369	380823.9	3736148.46	3.96E-03	6.10E-04	4.05E-04
1370	380853.9	3736148.46	3.99E-03	6.15E-04	4.09E-04
1371	380883.9	3736148.46	4.01E-03	6.18E-04	4.10E-04
1372	380913.9	3736148.46	4.00E-03	6.16E-04	4.09E-04
1373	380703.9	3736178.46	6.67E-03	1.03E-03	6.83E-04
1374	380733.9	3736178.46	6.99E-03	1.08E-03	7.16E-04
1375	380823.9	3736178.46	5.74E-03	8.85E-04	5.88E-04
1376	380853.9	3736178.46	5.59E-03	8.62E-04	5.73E-04
1377	380883.9	3736178.46	5.48E-03	8.45E-04	5.62E-04
1378	380913.9	3736178.46	5.40E-03	8.33E-04	5.53E-04
1379	380733.9	3736208.46	1.59E-02	2.44E-03	1.62E-03
1380	380763.9	3736208.46	1.17E-02	1.81E-03	1.20E-03
1381	380853.9	3736208.46	7.98E-03	1.23E-03	8.17E-04
1382	380883.9	3736208.46	7.73E-03	1.19E-03	7.91E-04
1383	380913.9	3736208.46	7.57E-03	1.17E-03	7.76E-04
1384	380583.9	3736238.46	1.32E-03	2.03E-04	1.35E-04
1385	380763.9	3736238.46	2.22E-02	3.42E-03	2.28E-03
1386	380793.9	3736238.46	1.48E-02	2.27E-03	1.51E-03
1387	380883.9	3736238.46	1.19E-02	1.84E-03	1.22E-03
1388	380913.9	3736238.46	1.16E-02	1.79E-03	1.19E-03
1389	380370	3735775.82	1.46E-04	2.25E-05	1.49E-05
1390	380377.99	3735692.75	1.26E-04	1.94E-05	1.29E-05
1391	380376.39	3735651.22	1.17E-04	1.80E-05	1.20E-05
1392	380346.04	3735641.64	1.11E-04	1.72E-05	1.14E-05
1393	380341.25	3735686.37	1.19E-04	1.84E-05	1.22E-05
1394	380339.65	3735743.87	1.32E-04	2.03E-05	1.35E-05
1395	380334.86	3735783.81	1.42E-04	2.18E-05	1.45E-05
1396	380342.85	3735842.91	1.61E-04	2.49E-05	1.65E-05
1397	380339.65	3735908.41	1.85E-04	2.85E-05	1.90E-05
1398	380291.38	3735847.16	1.51E-04	2.33E-05	1.55E-05
1399	380266.94	3735845.8	1.46E-04	2.24E-05	1.49E-05
1400	380239.78	3735845.8	1.40E-04	2.16E-05	1.44E-05
1401	380215.34	3735844.45	1.35E-04	2.09E-05	1.39E-05
1402	380212.62	3735791.49	1.24E-04	1.91E-05	1.27E-05

1403	380242.5	3735787.42	1.27E-04	1.96E-05	1.30E-05
1404	380271.01	3735787.42	1.32E-04	2.03E-05	1.35E-05
1405	380288.66	3735784.7	1.34E-04	2.06E-05	1.37E-05
1406	380292.74	3735741.25	1.25E-04	1.92E-05	1.28E-05
1407	380275.08	3735741.25	1.22E-04	1.88E-05	1.25E-05
1408	380253.36	3735741.25	1.19E-04	1.84E-05	1.22E-05
1409	380232.99	3735741.25	1.17E-04	1.80E-05	1.20E-05
1410	380212.62	3735742.61	1.14E-04	1.76E-05	1.17E-05
1411	380285.95	3735692.36	1.14E-04	1.76E-05	1.17E-05
1412	380261.51	3735684.22	1.10E-04	1.69E-05	1.12E-05
1413	380230.27	3735686.93	1.07E-04	1.65E-05	1.10E-05
1414	380190.9	3735685.57	1.03E-04	1.59E-05	1.05E-05
1415	380273.73	3735642.12	1.04E-04	1.61E-05	1.07E-05
1416	380241.14	3735644.84	1.02E-04	1.57E-05	1.04E-05
1417	380211.26	3735646.2	9.91E-05	1.53E-05	1.02E-05
1418	380188.18	3735642.12	9.67E-05	1.49E-05	9.90E-06
1419	380355.2	3735583.73	1.03E-04	1.59E-05	1.05E-05
1420	380340.26	3735566.08	9.90E-05	1.53E-05	1.01E-05
1421	380332.11	3735544.36	9.55E-05	1.47E-05	9.78E-06
1422	380292.74	3735529.42	9.06E-05	1.40E-05	9.28E-06
1423	380241.14	3735579.66	9.28E-05	1.43E-05	9.51E-06
1424	380215.34	3735579.66	9.10E-05	1.40E-05	9.32E-06
1425	380185.46	3735576.94	8.81E-05	1.36E-05	9.03E-06
1426	380156.95	3735579.66	8.66E-05	1.34E-05	8.87E-06
1427	380226.2	3735536.21	8.59E-05	1.32E-05	8.79E-06
1428	380200.4	3735536.21	8.42E-05	1.30E-05	8.62E-06
1429	380166.45	3735538.92	8.26E-05	1.27E-05	8.46E-06
1430	380146.09	3735538.92	8.17E-05	1.26E-05	8.37E-06
1431	380552.48	3735507.98	1.15E-04	1.77E-05	1.18E-05
1432	380702.53	3735607.24	1.69E-04	2.60E-05	1.73E-05
1433	380704.84	3735580.7	1.60E-04	2.47E-05	1.64E-05
1434	380705.99	3735554.15	1.52E-04	2.35E-05	1.56E-05
1435	380714.07	3735521.83	1.45E-04	2.23E-05	1.48E-05
1436	380731.39	3735614.17	1.79E-04	2.75E-05	1.83E-05
1437	380732.54	3735600.32	1.74E-04	2.68E-05	1.78E-05
1438	380733.7	3735577.23	1.66E-04	2.55E-05	1.70E-05
1439	380734.85	3735552.99	1.58E-04	2.44E-05	1.62E-05
1440	380739.47	3735522.98	1.50E-04	2.31E-05	1.54E-05
1441	380763.71	3735614.17	1.88E-04	2.89E-05	1.92E-05
1442	380762.55	3735594.55	1.79E-04	2.76E-05	1.83E-05
1443	380760.24	3735566.85	1.68E-04	2.59E-05	1.72E-05
1444	380762.55	3735514.9	1.52E-04	2.35E-05	1.56E-05
1445	380762.55	3735490.67	1.46E-04	2.25E-05	1.49E-05
1446	380794.87	3735611.86	1.95E-04	3.01E-05	2.00E-05
1447	380794.87	3735583	1.83E-04	2.82E-05	1.87E-05
1448	380790.25	3735558.77	1.72E-04	2.66E-05	1.77E-05
1449	380798.33	3735532.22	1.65E-04	2.54E-05	1.69E-05

1450	380793.72	3735509.13	1.57E-04	2.41E-05	1.60E-05
1451	380793.72	3735484.89	1.50E-04	2.31E-05	1.53E-05
1452	380828.34	3735615.32	2.06E-04	3.17E-05	2.11E-05
1453	380854.89	3735613.01	2.12E-04	3.27E-05	2.17E-05
1454	380886.06	3735613.01	2.21E-04	3.40E-05	2.26E-05
1455	380910.3	3735614.17	2.28E-04	3.51E-05	2.33E-05
1456	380831.81	3735574.92	1.88E-04	2.90E-05	1.93E-05
1457	380857.2	3735576.08	1.95E-04	3.00E-05	2.00E-05
1458	380888.36	3735580.7	2.04E-04	3.15E-05	2.09E-05
1459	380909.14	3735584.16	2.11E-04	3.25E-05	2.16E-05
1460	380829.5	3735544.91	1.76E-04	2.71E-05	1.80E-05
1461	380857.2	3735546.07	1.82E-04	2.81E-05	1.87E-05
1462	380884.9	3735540.3	1.86E-04	2.86E-05	1.90E-05
1463	380917.22	3735547.22	1.96E-04	3.01E-05	2.00E-05
1464	380827.19	3735507.98	1.63E-04	2.51E-05	1.67E-05
1465	380864.13	3735512.6	1.70E-04	2.62E-05	1.74E-05
1466	380890.67	3735518.37	1.78E-04	2.75E-05	1.83E-05
1467	380920.68	3735511.44	1.82E-04	2.80E-05	1.86E-05
1468	380909.14	3735489.51	1.71E-04	2.64E-05	1.76E-05
1469	380873.36	3735481.43	1.63E-04	2.51E-05	1.67E-05
1470	380830.65	3735479.12	1.54E-04	2.38E-05	1.58E-05
1471	380479.14	3735509.41	1.05E-04	1.63E-05	1.08E-05
1472	380492.49	3735486.89	1.04E-04	1.60E-05	1.06E-05
1473	380521.67	3735468.55	1.04E-04	1.61E-05	1.07E-05
1474	380548.36	3735453.54	1.03E-04	1.59E-05	1.06E-05
1475	380565.04	3735441.86	1.02E-04	1.58E-05	1.05E-05
1476	380595.9	3735420.18	1.03E-04	1.58E-05	1.05E-05
1477	380624.25	3735399.33	1.04E-04	1.61E-05	1.07E-05
1478	380641.76	3735382.65	1.06E-04	1.63E-05	1.08E-05
1479	380660.11	3735370.97	1.07E-04	1.65E-05	1.10E-05
1480	380682.63	3735356.8	1.08E-04	1.66E-05	1.11E-05
1481	380703.48	3735345.95	1.09E-04	1.67E-05	1.11E-05
1482	380715.15	3735338.45	1.08E-04	1.67E-05	1.11E-05
1483	380734.33	3735324.27	1.07E-04	1.66E-05	1.10E-05
1484	380885.42	3735181.46	1.03E-04	1.59E-05	1.06E-05
1485	380906.54	3735156.62	1.01E-04	1.56E-05	1.04E-05
1486	380956.21	3735125.57	1.02E-04	1.57E-05	1.04E-05
1487	380993.47	3735116.88	1.03E-04	1.59E-05	1.06E-05
1488	381024.52	3735105.7	1.04E-04	1.61E-05	1.07E-05
1489	380887.91	3735100.73	9.28E-05	1.43E-05	9.50E-06
1490	380844.44	3735110.67	9.06E-05	1.40E-05	9.28E-06
1491	380812.15	3735111.91	8.84E-05	1.36E-05	9.05E-06
1492	380776.74	3735245.85	1.00E-04	1.55E-05	1.03E-05
1493	380773.98	3735229.32	9.83E-05	1.52E-05	1.01E-05
1494	381418	3735188.4	1.42E-04	2.19E-05	1.46E-05
1495	381448	3735218.4	1.49E-04	2.30E-05	1.53E-05
1496	381478	3735218.4	1.51E-04	2.33E-05	1.55E-05

1497	381508	3735218.4	1.53E-04	2.36E-05	1.57E-05
1498	381538	3735218.4	1.56E-04	2.40E-05	1.59E-05
1499	381568	3735218.4	1.57E-04	2.42E-05	1.61E-05
1500	381898	3735218.4	1.79E-04	2.76E-05	1.83E-05
1501	381418	3735248.4	1.55E-04	2.39E-05	1.59E-05
1502	381448	3735248.4	1.56E-04	2.40E-05	1.59E-05
1503	381478	3735248.4	1.55E-04	2.39E-05	1.59E-05
1504	381508	3735248.4	1.59E-04	2.46E-05	1.63E-05
1505	381538	3735248.4	1.63E-04	2.51E-05	1.67E-05
1506	381568	3735248.4	1.65E-04	2.54E-05	1.69E-05
1507	381598	3735248.4	1.66E-04	2.57E-05	1.71E-05
1508	381628	3735248.4	1.69E-04	2.60E-05	1.73E-05
1509	381658	3735248.4	1.71E-04	2.63E-05	1.75E-05
1510	381688	3735248.4	1.73E-04	2.66E-05	1.77E-05
1511	381718	3735248.4	1.75E-04	2.70E-05	1.79E-05
1512	381748	3735248.4	1.77E-04	2.72E-05	1.81E-05
1513	381778	3735248.4	1.79E-04	2.76E-05	1.83E-05
1514	381808	3735248.4	1.81E-04	2.79E-05	1.86E-05
1515	381838	3735248.4	1.83E-04	2.83E-05	1.88E-05
1516	381868	3735248.4	1.86E-04	2.86E-05	1.90E-05
1517	381898	3735248.4	1.88E-04	2.90E-05	1.93E-05
1518	381388	3735278.4	1.61E-04	2.48E-05	1.65E-05
1519	381418	3735278.4	1.62E-04	2.50E-05	1.66E-05
1520	381448	3735278.4	1.64E-04	2.53E-05	1.68E-05
1521	381478	3735278.4	1.65E-04	2.54E-05	1.69E-05
1522	381508	3735278.4	1.64E-04	2.54E-05	1.68E-05
1523	381538	3735278.4	1.71E-04	2.64E-05	1.75E-05
1524	381568	3735278.4	1.73E-04	2.67E-05	1.77E-05
1525	381598	3735278.4	1.75E-04	2.70E-05	1.79E-05
1526	381628	3735278.4	1.77E-04	2.74E-05	1.82E-05
1527	381658	3735278.4	1.80E-04	2.77E-05	1.84E-05
1528	381688	3735278.4	1.82E-04	2.80E-05	1.86E-05
1529	381718	3735278.4	1.84E-04	2.84E-05	1.89E-05
1530	381748	3735278.4	1.86E-04	2.87E-05	1.91E-05
1531	381778	3735278.4	1.88E-04	2.90E-05	1.93E-05
1532	381808	3735278.4	1.91E-04	2.94E-05	1.95E-05
1533	381838	3735278.4	1.93E-04	2.98E-05	1.98E-05
1534	381868	3735278.4	1.96E-04	3.02E-05	2.01E-05
1535	381898	3735278.4	1.99E-04	3.06E-05	2.03E-05
1536	381358	3735308.4	1.66E-04	2.56E-05	1.70E-05
1537	381388	3735308.4	1.69E-04	2.60E-05	1.73E-05
1538	381418	3735308.4	1.70E-04	2.62E-05	1.74E-05
1539	381448	3735308.4	1.73E-04	2.67E-05	1.77E-05
1540	381478	3735308.4	1.74E-04	2.68E-05	1.78E-05
1541	381508	3735308.4	1.71E-04	2.64E-05	1.76E-05
1542	381538	3735308.4	1.78E-04	2.74E-05	1.82E-05
1543	381568	3735308.4	1.82E-04	2.81E-05	1.87E-05

1544	381598	3735308.4	1.85E-04	2.85E-05	1.89E-05
1545	381628	3735308.4	1.87E-04	2.88E-05	1.92E-05
1546	381658	3735308.4	1.90E-04	2.92E-05	1.94E-05
1547	381688	3735308.4	1.92E-04	2.96E-05	1.97E-05
1548	381718	3735308.4	1.94E-04	2.99E-05	1.99E-05
1549	381748	3735308.4	1.96E-04	3.03E-05	2.01E-05
1550	381778	3735308.4	1.99E-04	3.06E-05	2.03E-05
1551	381808	3735308.4	2.01E-04	3.10E-05	2.06E-05
1552	381838	3735308.4	2.04E-04	3.15E-05	2.09E-05
1553	381868	3735308.4	2.07E-04	3.19E-05	2.12E-05
1554	381898	3735308.4	2.10E-04	3.23E-05	2.15E-05
1555	381328	3735338.4	1.72E-04	2.66E-05	1.77E-05
1556	381358	3735338.4	1.75E-04	2.70E-05	1.79E-05
1557	381388	3735338.4	1.77E-04	2.73E-05	1.82E-05
1558	381418	3735338.4	1.78E-04	2.74E-05	1.82E-05
1559	381448	3735338.4	1.82E-04	2.81E-05	1.87E-05
1560	381478	3735338.4	1.84E-04	2.84E-05	1.89E-05
1561	381508	3735338.4	1.82E-04	2.80E-05	1.86E-05
1562	381538	3735338.4	1.88E-04	2.89E-05	1.92E-05
1563	381568	3735338.4	1.92E-04	2.96E-05	1.97E-05
1564	381598	3735338.4	1.95E-04	3.00E-05	2.00E-05
1565	381628	3735338.4	1.98E-04	3.05E-05	2.02E-05
1566	381658	3735338.4	2.00E-04	3.09E-05	2.05E-05
1567	381688	3735338.4	2.03E-04	3.13E-05	2.08E-05
1568	381718	3735338.4	2.06E-04	3.17E-05	2.11E-05
1569	381748	3735338.4	2.08E-04	3.21E-05	2.13E-05
1570	381778	3735338.4	2.10E-04	3.24E-05	2.15E-05
1571	381808	3735338.4	2.13E-04	3.28E-05	2.18E-05
1572	381838	3735338.4	2.16E-04	3.33E-05	2.21E-05
1573	381868	3735338.4	2.19E-04	3.38E-05	2.24E-05
1574	381898	3735338.4	2.22E-04	3.42E-05	2.27E-05
1575	381328	3735368.4	1.82E-04	2.80E-05	1.86E-05
1576	381358	3735368.4	1.85E-04	2.85E-05	1.89E-05
1577	381388	3735368.4	1.87E-04	2.89E-05	1.92E-05
1578	381418	3735368.4	1.89E-04	2.91E-05	1.93E-05
1579	381448	3735368.4	1.93E-04	2.97E-05	1.97E-05
1580	381478	3735368.4	1.95E-04	3.01E-05	2.00E-05
1581	381508	3735368.4	1.96E-04	3.02E-05	2.01E-05
1582	381538	3735368.4	2.00E-04	3.09E-05	2.05E-05
1583	381568	3735368.4	2.03E-04	3.14E-05	2.08E-05
1584	381598	3735368.4	2.06E-04	3.18E-05	2.11E-05
1585	381628	3735368.4	2.09E-04	3.23E-05	2.14E-05
1586	381658	3735368.4	2.12E-04	3.27E-05	2.17E-05
1587	381688	3735368.4	2.15E-04	3.32E-05	2.21E-05
1588	381718	3735368.4	2.18E-04	3.37E-05	2.24E-05
1589	381748	3735368.4	2.21E-04	3.41E-05	2.27E-05
1590	381778	3735368.4	2.24E-04	3.45E-05	2.30E-05

1591	381808	3735368.4	2.26E-04	3.49E-05	2.32E-05
1592	381838	3735368.4	2.29E-04	3.53E-05	2.35E-05
1593	381868	3735368.4	2.32E-04	3.58E-05	2.38E-05
1594	381898	3735368.4	2.36E-04	3.63E-05	2.41E-05
1595	381298	3735398.4	1.89E-04	2.92E-05	1.94E-05
1596	381328	3735398.4	1.92E-04	2.96E-05	1.97E-05
1597	381358	3735398.4	1.95E-04	3.01E-05	2.00E-05
1598	381388	3735398.4	1.98E-04	3.06E-05	2.03E-05
1599	381418	3735398.4	2.01E-04	3.10E-05	2.06E-05
1600	381448	3735398.4	2.04E-04	3.14E-05	2.09E-05
1601	381478	3735398.4	2.07E-04	3.19E-05	2.12E-05
1602	381508	3735398.4	2.10E-04	3.24E-05	2.15E-05
1603	381538	3735398.4	2.13E-04	3.28E-05	2.18E-05
1604	381568	3735398.4	2.16E-04	3.33E-05	2.21E-05
1605	381598	3735398.4	2.19E-04	3.38E-05	2.24E-05
1606	381628	3735398.4	2.22E-04	3.43E-05	2.28E-05
1607	381658	3735398.4	2.26E-04	3.48E-05	2.31E-05
1608	381688	3735398.4	2.29E-04	3.53E-05	2.35E-05
1609	381718	3735398.4	2.32E-04	3.58E-05	2.38E-05
1610	381748	3735398.4	2.35E-04	3.63E-05	2.41E-05
1611	381778	3735398.4	2.39E-04	3.68E-05	2.45E-05
1612	381808	3735398.4	2.41E-04	3.72E-05	2.47E-05
1613	381838	3735398.4	2.44E-04	3.76E-05	2.50E-05
1614	381868	3735398.4	2.47E-04	3.81E-05	2.53E-05
1615	381898	3735398.4	2.50E-04	3.86E-05	2.56E-05
1616	381298	3735428.4	2.01E-04	3.09E-05	2.06E-05
1617	381328	3735428.4	2.04E-04	3.14E-05	2.09E-05
1618	381358	3735428.4	2.07E-04	3.19E-05	2.12E-05
1619	381388	3735428.4	2.10E-04	3.24E-05	2.15E-05
1620	381418	3735428.4	2.13E-04	3.29E-05	2.19E-05
1621	381448	3735428.4	2.17E-04	3.34E-05	2.22E-05
1622	381478	3735428.4	2.20E-04	3.39E-05	2.25E-05
1623	381508	3735428.4	2.23E-04	3.44E-05	2.29E-05
1624	381538	3735428.4	2.27E-04	3.49E-05	2.32E-05
1625	381568	3735428.4	2.30E-04	3.55E-05	2.36E-05
1626	381598	3735428.4	2.34E-04	3.60E-05	2.39E-05
1627	381628	3735428.4	2.37E-04	3.65E-05	2.43E-05
1628	381658	3735428.4	2.41E-04	3.71E-05	2.47E-05
1629	381688	3735428.4	2.44E-04	3.77E-05	2.50E-05
1630	381718	3735428.4	2.48E-04	3.82E-05	2.54E-05
1631	381748	3735428.4	2.51E-04	3.87E-05	2.57E-05
1632	381778	3735428.4	2.55E-04	3.93E-05	2.61E-05
1633	381808	3735428.4	2.58E-04	3.97E-05	2.64E-05
1634	381838	3735428.4	2.61E-04	4.02E-05	2.67E-05
1635	381868	3735428.4	2.64E-04	4.06E-05	2.70E-05
1636	381898	3735428.4	2.67E-04	4.11E-05	2.73E-05
1637	381298	3735458.4	2.14E-04	3.29E-05	2.19E-05

1638	381328	3735458.4	2.17E-04	3.34E-05	2.22E-05
1639	381358	3735458.4	2.20E-04	3.40E-05	2.26E-05
1640	381388	3735458.4	2.24E-04	3.45E-05	2.29E-05
1641	381418	3735458.4	2.28E-04	3.51E-05	2.33E-05
1642	381448	3735458.4	2.31E-04	3.56E-05	2.37E-05
1643	381478	3735458.4	2.35E-04	3.62E-05	2.40E-05
1644	381508	3735458.4	2.38E-04	3.67E-05	2.44E-05
1645	381538	3735458.4	2.42E-04	3.73E-05	2.48E-05
1646	381568	3735458.4	2.46E-04	3.79E-05	2.52E-05
1647	381598	3735458.4	2.50E-04	3.85E-05	2.56E-05
1648	381628	3735458.4	2.53E-04	3.91E-05	2.60E-05
1649	381658	3735458.4	2.57E-04	3.97E-05	2.64E-05
1650	381688	3735458.4	2.61E-04	4.03E-05	2.68E-05
1651	381718	3735458.4	2.65E-04	4.08E-05	2.71E-05
1652	381748	3735458.4	2.69E-04	4.14E-05	2.75E-05
1653	381778	3735458.4	2.72E-04	4.19E-05	2.79E-05
1654	381808	3735458.4	2.75E-04	4.25E-05	2.82E-05
1655	381838	3735458.4	2.79E-04	4.29E-05	2.85E-05
1656	381868	3735458.4	2.82E-04	4.34E-05	2.88E-05
1657	381240.22	3736637.59	1.85E-02	2.86E-03	1.90E-03
1658	381224.36	3736613.79	1.94E-02	2.98E-03	1.98E-03
1659	381216.43	3736595.28	1.86E-02	2.87E-03	1.91E-03
1660	381197.03	3736568.83	1.97E-02	3.03E-03	2.01E-03
1661	381186.46	3736553.85	2.01E-02	3.10E-03	2.06E-03
1662	381180.29	3736535.34	1.90E-02	2.92E-03	1.94E-03
1663	381160.01	3736511.54	2.02E-02	3.11E-03	2.07E-03
1664	381150.32	3736493.03	1.95E-02	3.00E-03	1.99E-03
1665	381130.04	3736472.76	2.06E-02	3.18E-03	2.11E-03
1666	381116.82	3736448.96	1.95E-02	3.00E-03	1.99E-03
1667	381102.72	3736430.45	1.91E-02	2.94E-03	1.96E-03
1668	381085.09	3736409.29	1.90E-02	2.93E-03	1.95E-03
1669	381070.11	3736396.07	2.02E-02	3.12E-03	2.07E-03
1670	381045.43	3736374.04	2.13E-02	3.28E-03	2.18E-03
1671	381018.1	3736350.24	2.20E-02	3.39E-03	2.25E-03
1672	381039.26	3736342.31	1.69E-02	2.61E-03	1.73E-03
1673	381064.82	3736353.76	1.51E-02	2.33E-03	1.55E-03
1674	381085.97	3736378.44	1.54E-02	2.37E-03	1.57E-03
1675	381110.65	3736409.29	1.52E-02	2.35E-03	1.56E-03
1676	381135.33	3736437.5	1.52E-02	2.35E-03	1.56E-03
1677	381149.44	3736456.01	1.52E-02	2.35E-03	1.56E-03
1678	381163.54	3736472.76	1.51E-02	2.32E-03	1.54E-03
1679	381181.17	3736499.2	1.52E-02	2.35E-03	1.56E-03
1680	381201.44	3736529.17	1.47E-02	2.27E-03	1.51E-03
1681	381220.83	3736555.61	1.41E-02	2.17E-03	1.44E-03
1682	381234.05	3736578.53	1.39E-02	2.14E-03	1.42E-03
1683	381253.45	3736597.92	1.26E-02	1.95E-03	1.29E-03
1684	381243.75	3736541.51	1.07E-02	1.66E-03	1.10E-03

1685	381225.24	3736507.13	1.08E-02	1.67E-03	1.11E-03
1686	381211.14	3736480.69	1.08E-02	1.67E-03	1.11E-03
1687	381188.22	3736451.6	1.12E-02	1.72E-03	1.15E-03
1688	381163.54	3736426.92	1.17E-02	1.80E-03	1.19E-03
1689	381147.67	3736411.94	1.19E-02	1.84E-03	1.22E-03
1690	381121.23	3736389.9	1.27E-02	1.95E-03	1.30E-03
1691	381109.77	3736372.27	1.24E-02	1.92E-03	1.27E-03
1692	381082.45	3736350.24	1.31E-02	2.01E-03	1.34E-03
1693	381063.06	3736344.07	1.43E-02	2.20E-03	1.46E-03
1694	381143.27	3736347.59	9.04E-03	1.39E-03	9.26E-04
1695	381166.18	3736378.44	9.16E-03	1.41E-03	9.38E-04
1696	381187.34	3736412.82	9.44E-03	1.46E-03	9.67E-04
1697	381218.19	3736444.55	8.95E-03	1.38E-03	9.17E-04
1698	381236.7	3736463.06	8.53E-03	1.31E-03	8.73E-04
1699	381247.28	3736485.1	8.57E-03	1.32E-03	8.78E-04
1700	382770.73	3737001.46	9.34E-05	1.44E-05	9.57E-06
1701	382710.73	3737031.46	9.61E-05	1.48E-05	9.85E-06
1702	382740.73	3737031.46	9.32E-05	1.44E-05	9.54E-06
1703	382770.73	3737031.46	9.04E-05	1.39E-05	9.26E-06
1704	382650.73	3737061.46	9.94E-05	1.53E-05	1.02E-05
1705	382680.73	3737061.46	9.61E-05	1.48E-05	9.85E-06
1706	382710.73	3737061.46	9.32E-05	1.44E-05	9.54E-06
1707	382740.73	3737061.46	9.03E-05	1.39E-05	9.25E-06
1708	382770.73	3737061.46	8.77E-05	1.35E-05	8.98E-06
1709	382560.73	3737091.46	1.07E-04	1.65E-05	1.10E-05
1710	382590.73	3737091.46	1.03E-04	1.59E-05	1.06E-05
1711	382620.73	3737091.46	9.98E-05	1.54E-05	1.02E-05
1712	382650.73	3737091.46	9.65E-05	1.49E-05	9.88E-06
1713	382680.73	3737091.46	9.34E-05	1.44E-05	9.57E-06
1714	382710.73	3737091.46	9.05E-05	1.39E-05	9.27E-06
1715	382740.73	3737091.46	8.77E-05	1.35E-05	8.98E-06
1716	382770.73	3737091.46	8.52E-05	1.31E-05	8.72E-06
1717	382500.73	3737121.46	1.12E-04	1.73E-05	1.15E-05
1718	382530.73	3737121.46	1.08E-04	1.66E-05	1.11E-05
1719	382560.73	3737121.46	1.04E-04	1.60E-05	1.07E-05
1720	382590.73	3737121.46	1.00E-04	1.55E-05	1.03E-05
1721	382620.73	3737121.46	9.71E-05	1.50E-05	9.95E-06
1722	382650.73	3737121.46	9.39E-05	1.45E-05	9.62E-06
1723	382680.73	3737121.46	9.07E-05	1.40E-05	9.29E-06
1724	382710.73	3737121.46	8.80E-05	1.36E-05	9.02E-06
1725	382440.73	3737151.46	1.19E-04	1.83E-05	1.21E-05
1726	382470.73	3737151.46	1.14E-04	1.75E-05	1.17E-05
1727	382500.73	3737151.46	1.09E-04	1.69E-05	1.12E-05
1728	382530.73	3737151.46	1.05E-04	1.62E-05	1.08E-05
1729	382560.73	3737151.46	1.02E-04	1.57E-05	1.04E-05
1730	382590.73	3737151.46	9.80E-05	1.51E-05	1.00E-05
1731	382620.73	3737151.46	9.48E-05	1.46E-05	9.71E-06

1732	382650.73	3737151.46	9.15E-05	1.41E-05	9.37E-06
1733	382380.73	3737181.46	1.27E-04	1.95E-05	1.30E-05
1734	382410.73	3737181.46	1.21E-04	1.87E-05	1.24E-05
1735	382440.73	3737181.46	1.16E-04	1.79E-05	1.19E-05
1736	382470.73	3737181.46	1.12E-04	1.72E-05	1.14E-05
1737	382500.73	3737181.46	1.07E-04	1.65E-05	1.10E-05
1738	382530.73	3737181.46	1.03E-04	1.59E-05	1.06E-05
1739	382560.73	3737181.46	9.95E-05	1.53E-05	1.02E-05
1740	382590.73	3737181.46	9.59E-05	1.48E-05	9.82E-06
1741	381476.72	3735113.39	1.32E-04	2.03E-05	1.35E-05
1742	381490.83	3735122.21	1.34E-04	2.06E-05	1.37E-05
1743	381566.66	3735146.9	1.42E-04	2.19E-05	1.45E-05
1744	381587.82	3735161.01	1.46E-04	2.25E-05	1.49E-05
1745	381646.02	3734944.97	1.14E-04	1.75E-05	1.16E-05
1746	381676.88	3734934.39	1.13E-04	1.75E-05	1.16E-05
1747	381698.04	3734918.52	1.12E-04	1.73E-05	1.15E-05
1748	381713.03	3734911.47	1.12E-04	1.73E-05	1.15E-05
1749	381727.14	3734900	1.11E-04	1.71E-05	1.14E-05
1750	381758	3734882.37	1.10E-04	1.69E-05	1.13E-05
1751	381777.4	3734870.91	1.08E-04	1.66E-05	1.10E-05
1752	381805.62	3734854.15	1.06E-04	1.64E-05	1.09E-05
1753	381842.65	3734833.87	1.07E-04	1.65E-05	1.10E-05
1754	381663.65	3734913.23	1.10E-04	1.70E-05	1.13E-05
1755	381373.82	3737708.4	1.18E-03	1.82E-04	1.21E-04
1756	381427.53	3737740.14	1.09E-03	1.67E-04	1.11E-04
1757	381438.51	3737766.99	1.03E-03	1.59E-04	1.05E-04
1758	381395.79	3737762.11	1.07E-03	1.65E-04	1.09E-04
1759	381337.2	3737664.46	1.28E-03	1.98E-04	1.31E-04
1760	381328.66	3737704.74	1.18E-03	1.82E-04	1.21E-04
1761	381267.63	3737726.71	1.10E-03	1.69E-04	1.13E-04
1762	381206.6	3737707.18	1.08E-03	1.66E-04	1.10E-04
1763	381332.32	3737745.02	1.10E-03	1.70E-04	1.13E-04
1764	381366.5	3737734.04	1.13E-03	1.74E-04	1.15E-04
1765	0	0	0.00E+00	0.00E+00	0.00E+00
1766	0	0	0.00E+00	0.00E+00	0.00E+00
1767	0	0	0.00E+00	0.00E+00	0.00E+00
1768	0	0	0.00E+00	0.00E+00	0.00E+00
1769	0	0	0.00E+00	0.00E+00	0.00E+00
1770	0	0	0.00E+00	0.00E+00	0.00E+00
1771	0	0	0.00E+00	0.00E+00	0.00E+00
1772	0	0	0.00E+00	0.00E+00	0.00E+00
1773	0	0	0.00E+00	0.00E+00	0.00E+00
1774	0	0	0.00E+00	0.00E+00	0.00E+00
1775	0	0	0.00E+00	0.00E+00	0.00E+00
1776	0	0	0.00E+00	0.00E+00	0.00E+00
1777	0	0	0.00E+00	0.00E+00	0.00E+00
1778	0	0	0.00E+00	0.00E+00	0.00E+00

1779	0	0	0.00E+00	0.00E+00	0.00E+00
1780	0	0	0.00E+00	0.00E+00	0.00E+00
1781	0	0	0.00E+00	0.00E+00	0.00E+00
1782	0	0	0.00E+00	0.00E+00	0.00E+00
1783	0	0	0.00E+00	0.00E+00	0.00E+00
1784	0	0	0.00E+00	0.00E+00	0.00E+00
1785	0	0	0.00E+00	0.00E+00	0.00E+00
1786	0	0	0.00E+00	0.00E+00	0.00E+00
1787	0	0	0.00E+00	0.00E+00	0.00E+00
1788	0	0	0.00E+00	0.00E+00	0.00E+00
1789	0	0	0.00E+00	0.00E+00	0.00E+00
1790	0	0	0.00E+00	0.00E+00	0.00E+00
1791	0	0	0.00E+00	0.00E+00	0.00E+00
1792	0	0	0.00E+00	0.00E+00	0.00E+00
1793	0	0	0.00E+00	0.00E+00	0.00E+00
1794	0	0	0.00E+00	0.00E+00	0.00E+00
1795	0	0	0.00E+00	0.00E+00	0.00E+00
1796	0	0	0.00E+00	0.00E+00	0.00E+00
1797	0	0	0.00E+00	0.00E+00	0.00E+00
1798	0	0	0.00E+00	0.00E+00	0.00E+00
1799	0	0	0.00E+00	0.00E+00	0.00E+00
1800	0	0	0.00E+00	0.00E+00	0.00E+00
1801	0	0	0.00E+00	0.00E+00	0.00E+00
1802	0	0	0.00E+00	0.00E+00	0.00E+00
1803	0	0	0.00E+00	0.00E+00	0.00E+00
1804	0	0	0.00E+00	0.00E+00	0.00E+00
1805	0	0	0.00E+00	0.00E+00	0.00E+00
1806	0	0	0.00E+00	0.00E+00	0.00E+00
1807	0	0	0.00E+00	0.00E+00	0.00E+00
1808	0	0	0.00E+00	0.00E+00	0.00E+00
1809	0	0	0.00E+00	0.00E+00	0.00E+00
1810	0	0	0.00E+00	0.00E+00	0.00E+00
1811	0	0	0.00E+00	0.00E+00	0.00E+00
1812	0	0	0.00E+00	0.00E+00	0.00E+00
1813	0	0	0.00E+00	0.00E+00	0.00E+00
1814	0	0	0.00E+00	0.00E+00	0.00E+00
1815	0	0	0.00E+00	0.00E+00	0.00E+00
1816	0	0	0.00E+00	0.00E+00	0.00E+00
1817	0	0	0.00E+00	0.00E+00	0.00E+00
1818	0	0	0.00E+00	0.00E+00	0.00E+00
1819	0	0	0.00E+00	0.00E+00	0.00E+00
1820	0	0	0.00E+00	0.00E+00	0.00E+00
1821	0	0	0.00E+00	0.00E+00	0.00E+00
1822	0	0	0.00E+00	0.00E+00	0.00E+00
1823	0	0	0.00E+00	0.00E+00	0.00E+00
1824	0	0	0.00E+00	0.00E+00	0.00E+00
1825	0	0	0.00E+00	0.00E+00	0.00E+00

1826	0	0	0.00E+00	0.00E+00	0.00E+00
1827	0	0	0.00E+00	0.00E+00	0.00E+00
1828	0	0	0.00E+00	0.00E+00	0.00E+00
1829	0	0	0.00E+00	0.00E+00	0.00E+00
1830	0	0	0.00E+00	0.00E+00	0.00E+00
1831	0	0	0.00E+00	0.00E+00	0.00E+00
1832	0	0	0.00E+00	0.00E+00	0.00E+00
1833	0	0	0.00E+00	0.00E+00	0.00E+00
1834	0	0	0.00E+00	0.00E+00	0.00E+00
1835	0	0	0.00E+00	0.00E+00	0.00E+00
1836	0	0	0.00E+00	0.00E+00	0.00E+00
1837	0	0	0.00E+00	0.00E+00	0.00E+00
1838	0	0	0.00E+00	0.00E+00	0.00E+00
1839	0	0	0.00E+00	0.00E+00	0.00E+00
1840	0	0	0.00E+00	0.00E+00	0.00E+00
1841	0	0	0.00E+00	0.00E+00	0.00E+00
1842	0	0	0.00E+00	0.00E+00	0.00E+00
1843	0	0	0.00E+00	0.00E+00	0.00E+00
1844	0	0	0.00E+00	0.00E+00	0.00E+00
1845	0	0	0.00E+00	0.00E+00	0.00E+00
1846	0	0	0.00E+00	0.00E+00	0.00E+00
1847	0	0	0.00E+00	0.00E+00	0.00E+00
1848	0	0	0.00E+00	0.00E+00	0.00E+00
1849	0	0	0.00E+00	0.00E+00	0.00E+00
1850	0	0	0.00E+00	0.00E+00	0.00E+00
1851	0	0	0.00E+00	0.00E+00	0.00E+00
1852	0	0	0.00E+00	0.00E+00	0.00E+00
1853	0	0	0.00E+00	0.00E+00	0.00E+00
1854	0	0	0.00E+00	0.00E+00	0.00E+00
1855	0	0	0.00E+00	0.00E+00	0.00E+00
1856	0	0	0.00E+00	0.00E+00	0.00E+00
1857	0	0	0.00E+00	0.00E+00	0.00E+00
1858	0	0	0.00E+00	0.00E+00	0.00E+00
1859	0	0	0.00E+00	0.00E+00	0.00E+00
1860	0	0	0.00E+00	0.00E+00	0.00E+00
1861	0	0	0.00E+00	0.00E+00	0.00E+00
1862	0	0	0.00E+00	0.00E+00	0.00E+00
1863	0	0	0.00E+00	0.00E+00	0.00E+00
1864	0	0	0.00E+00	0.00E+00	0.00E+00
1865	0	0	0.00E+00	0.00E+00	0.00E+00
1866	0	0	0.00E+00	0.00E+00	0.00E+00
1867	0	0	0.00E+00	0.00E+00	0.00E+00
1868	0	0	0.00E+00	0.00E+00	0.00E+00
1869	0	0	0.00E+00	0.00E+00	0.00E+00
1870	0	0	0.00E+00	0.00E+00	0.00E+00
1871	0	0	0.00E+00	0.00E+00	0.00E+00
1872	0	0	0.00E+00	0.00E+00	0.00E+00

1873	0	0	0.00E+00	0.00E+00	0.00E+00
1874	0	0	0.00E+00	0.00E+00	0.00E+00
1875	0	0	0.00E+00	0.00E+00	0.00E+00
1876	0	0	0.00E+00	0.00E+00	0.00E+00
1877	0	0	0.00E+00	0.00E+00	0.00E+00
1878	0	0	0.00E+00	0.00E+00	0.00E+00
1879	0	0	0.00E+00	0.00E+00	0.00E+00
1880	0	0	0.00E+00	0.00E+00	0.00E+00
1881	0	0	0.00E+00	0.00E+00	0.00E+00
1882	0	0	0.00E+00	0.00E+00	0.00E+00
1883	0	0	0.00E+00	0.00E+00	0.00E+00
1884	0	0	0.00E+00	0.00E+00	0.00E+00
1885	0	0	0.00E+00	0.00E+00	0.00E+00
1886	0	0	0.00E+00	0.00E+00	0.00E+00
1887	0	0	0.00E+00	0.00E+00	0.00E+00
1888	0	0	0.00E+00	0.00E+00	0.00E+00
1889	0	0	0.00E+00	0.00E+00	0.00E+00
1890	0	0	0.00E+00	0.00E+00	0.00E+00
1891	0	0	0.00E+00	0.00E+00	0.00E+00
1892	0	0	0.00E+00	0.00E+00	0.00E+00
1893	0	0	0.00E+00	0.00E+00	0.00E+00
1894	0	0	0.00E+00	0.00E+00	0.00E+00
1895	0	0	0.00E+00	0.00E+00	0.00E+00
1896	0	0	0.00E+00	0.00E+00	0.00E+00
1897	0	0	0.00E+00	0.00E+00	0.00E+00
1898	0	0	0.00E+00	0.00E+00	0.00E+00
1899	0	0	0.00E+00	0.00E+00	0.00E+00
1900	0	0	0.00E+00	0.00E+00	0.00E+00
1901	0	0	0.00E+00	0.00E+00	0.00E+00
1902	0	0	0.00E+00	0.00E+00	0.00E+00
1903	0	0	0.00E+00	0.00E+00	0.00E+00
1904	0	0	0.00E+00	0.00E+00	0.00E+00
1905	0	0	0.00E+00	0.00E+00	0.00E+00
1906	0	0	0.00E+00	0.00E+00	0.00E+00
1907	0	0	0.00E+00	0.00E+00	0.00E+00
1908	0	0	0.00E+00	0.00E+00	0.00E+00
1909	0	0	0.00E+00	0.00E+00	0.00E+00
1910	0	0	0.00E+00	0.00E+00	0.00E+00
1911	0	0	0.00E+00	0.00E+00	0.00E+00
1912	0	0	0.00E+00	0.00E+00	0.00E+00
1913	0	0	0.00E+00	0.00E+00	0.00E+00
1914	0	0	0.00E+00	0.00E+00	0.00E+00
1915	0	0	0.00E+00	0.00E+00	0.00E+00
1916	0	0	0.00E+00	0.00E+00	0.00E+00
1917	0	0	0.00E+00	0.00E+00	0.00E+00
1918	0	0	0.00E+00	0.00E+00	0.00E+00
1919	0	0	0.00E+00	0.00E+00	0.00E+00

1920	0	0	0.00E+00	0.00E+00	0.00E+00
1921	0	0	0.00E+00	0.00E+00	0.00E+00
1922	0	0	0.00E+00	0.00E+00	0.00E+00
1923	0	0	0.00E+00	0.00E+00	0.00E+00
1924	0	0	0.00E+00	0.00E+00	0.00E+00
1925	0	0	0.00E+00	0.00E+00	0.00E+00
1926	0	0	0.00E+00	0.00E+00	0.00E+00
1927	0	0	0.00E+00	0.00E+00	0.00E+00
1928	0	0	0.00E+00	0.00E+00	0.00E+00
1929	0	0	0.00E+00	0.00E+00	0.00E+00
1930	0	0	0.00E+00	0.00E+00	0.00E+00
1931	0	0	0.00E+00	0.00E+00	0.00E+00
1932	0	0	0.00E+00	0.00E+00	0.00E+00
1933	0	0	0.00E+00	0.00E+00	0.00E+00
1934	0	0	0.00E+00	0.00E+00	0.00E+00
1935	0	0	0.00E+00	0.00E+00	0.00E+00
1936	0	0	0.00E+00	0.00E+00	0.00E+00
1937	0	0	0.00E+00	0.00E+00	0.00E+00
1938	0	0	0.00E+00	0.00E+00	0.00E+00
1939	0	0	0.00E+00	0.00E+00	0.00E+00
1940	0	0	0.00E+00	0.00E+00	0.00E+00
1941	0	0	0.00E+00	0.00E+00	0.00E+00
1942	0	0	0.00E+00	0.00E+00	0.00E+00
1943	0	0	0.00E+00	0.00E+00	0.00E+00
1944	0	0	0.00E+00	0.00E+00	0.00E+00
1945	0	0	0.00E+00	0.00E+00	0.00E+00
1946	0	0	0.00E+00	0.00E+00	0.00E+00
1947	0	0	0.00E+00	0.00E+00	0.00E+00
1948	0	0	0.00E+00	0.00E+00	0.00E+00
1949	0	0	0.00E+00	0.00E+00	0.00E+00
1950	0	0	0.00E+00	0.00E+00	0.00E+00
1951	0	0	0.00E+00	0.00E+00	0.00E+00
1952	0	0	0.00E+00	0.00E+00	0.00E+00
1953	0	0	0.00E+00	0.00E+00	0.00E+00
1954	0	0	0.00E+00	0.00E+00	0.00E+00
1955	0	0	0.00E+00	0.00E+00	0.00E+00
1956	0	0	0.00E+00	0.00E+00	0.00E+00
1957	0	0	0.00E+00	0.00E+00	0.00E+00
1958	0	0	0.00E+00	0.00E+00	0.00E+00
1959	0	0	0.00E+00	0.00E+00	0.00E+00
1960	0	0	0.00E+00	0.00E+00	0.00E+00
1961	0	0	0.00E+00	0.00E+00	0.00E+00
1962	0	0	0.00E+00	0.00E+00	0.00E+00
1963	0	0	0.00E+00	0.00E+00	0.00E+00
1964	0	0	0.00E+00	0.00E+00	0.00E+00
1965	0	0	0.00E+00	0.00E+00	0.00E+00
1966	0	0	0.00E+00	0.00E+00	0.00E+00

1967	0	0	0.00E+00	0.00E+00	0.00E+00
1968	0	0	0.00E+00	0.00E+00	0.00E+00
1969	0	0	0.00E+00	0.00E+00	0.00E+00
1970	0	0	0.00E+00	0.00E+00	0.00E+00
1971	0	0	0.00E+00	0.00E+00	0.00E+00
1972	0	0	0.00E+00	0.00E+00	0.00E+00
1973	0	0	0.00E+00	0.00E+00	0.00E+00
1974	0	0	0.00E+00	0.00E+00	0.00E+00
1975	0	0	0.00E+00	0.00E+00	0.00E+00
1976	0	0	0.00E+00	0.00E+00	0.00E+00
1977	0	0	0.00E+00	0.00E+00	0.00E+00
1978	0	0	0.00E+00	0.00E+00	0.00E+00
1979	0	0	0.00E+00	0.00E+00	0.00E+00
1980	0	0	0.00E+00	0.00E+00	0.00E+00
1981	0	0	0.00E+00	0.00E+00	0.00E+00
1982	0	0	0.00E+00	0.00E+00	0.00E+00
1983	0	0	0.00E+00	0.00E+00	0.00E+00
1984	0	0	0.00E+00	0.00E+00	0.00E+00
1985	0	0	0.00E+00	0.00E+00	0.00E+00
1986	0	0	0.00E+00	0.00E+00	0.00E+00
1987	0	0	0.00E+00	0.00E+00	0.00E+00
1988	0	0	0.00E+00	0.00E+00	0.00E+00
1989	0	0	0.00E+00	0.00E+00	0.00E+00
1990	0	0	0.00E+00	0.00E+00	0.00E+00
1991	0	0	0.00E+00	0.00E+00	0.00E+00
1992	0	0	0.00E+00	0.00E+00	0.00E+00
1993	0	0	0.00E+00	0.00E+00	0.00E+00
1994	0	0	0.00E+00	0.00E+00	0.00E+00
1995	0	0	0.00E+00	0.00E+00	0.00E+00
1996	0	0	0.00E+00	0.00E+00	0.00E+00
1997	0	0	0.00E+00	0.00E+00	0.00E+00
1998	0	0	0.00E+00	0.00E+00	0.00E+00
1999	0	0	0.00E+00	0.00E+00	0.00E+00
2000	0	0	0.00E+00	0.00E+00	0.00E+00
2001	0	0	0.00E+00	0.00E+00	0.00E+00
2002	0	0	0.00E+00	0.00E+00	0.00E+00
2003	0	0	0.00E+00	0.00E+00	0.00E+00
2004	0	0	0.00E+00	0.00E+00	0.00E+00
2005	0	0	0.00E+00	0.00E+00	0.00E+00
2006	0	0	0.00E+00	0.00E+00	0.00E+00
2007	0	0	0.00E+00	0.00E+00	0.00E+00
2008	0	0	0.00E+00	0.00E+00	0.00E+00
2009	0	0	0.00E+00	0.00E+00	0.00E+00
2010	0	0	0.00E+00	0.00E+00	0.00E+00
2011	0	0	0.00E+00	0.00E+00	0.00E+00
2012	0	0	0.00E+00	0.00E+00	0.00E+00
2013	0	0	0.00E+00	0.00E+00	0.00E+00

2014	0	0	0.00E+00	0.00E+00	0.00E+00
2015	0	0	0.00E+00	0.00E+00	0.00E+00
2016	0	0	0.00E+00	0.00E+00	0.00E+00
2017	0	0	0.00E+00	0.00E+00	0.00E+00
2018	0	0	0.00E+00	0.00E+00	0.00E+00
2019	0	0	0.00E+00	0.00E+00	0.00E+00
2020	0	0	0.00E+00	0.00E+00	0.00E+00
2021	0	0	0.00E+00	0.00E+00	0.00E+00
2022	0	0	0.00E+00	0.00E+00	0.00E+00
2023	0	0	0.00E+00	0.00E+00	0.00E+00
2024	0	0	0.00E+00	0.00E+00	0.00E+00
2025	0	0	0.00E+00	0.00E+00	0.00E+00
2026	0	0	0.00E+00	0.00E+00	0.00E+00
2027	0	0	0.00E+00	0.00E+00	0.00E+00
2028	0	0	0.00E+00	0.00E+00	0.00E+00
2029	0	0	0.00E+00	0.00E+00	0.00E+00
2030	0	0	0.00E+00	0.00E+00	0.00E+00
2031	0	0	0.00E+00	0.00E+00	0.00E+00
2032	0	0	0.00E+00	0.00E+00	0.00E+00
2033	0	0	0.00E+00	0.00E+00	0.00E+00
2034	0	0	0.00E+00	0.00E+00	0.00E+00
2035	0	0	0.00E+00	0.00E+00	0.00E+00
2036	0	0	0.00E+00	0.00E+00	0.00E+00
2037	0	0	0.00E+00	0.00E+00	0.00E+00
2038	0	0	0.00E+00	0.00E+00	0.00E+00
2039	0	0	0.00E+00	0.00E+00	0.00E+00
2040	0	0	0.00E+00	0.00E+00	0.00E+00
2041	0	0	0.00E+00	0.00E+00	0.00E+00
2042	0	0	0.00E+00	0.00E+00	0.00E+00
2043	0	0	0.00E+00	0.00E+00	0.00E+00
2044	0	0	0.00E+00	0.00E+00	0.00E+00
2045	0	0	0.00E+00	0.00E+00	0.00E+00
2046	0	0	0.00E+00	0.00E+00	0.00E+00
2047	0	0	0.00E+00	0.00E+00	0.00E+00
2048	0	0	0.00E+00	0.00E+00	0.00E+00
2049	0	0	0.00E+00	0.00E+00	0.00E+00
2050	0	0	0.00E+00	0.00E+00	0.00E+00
2051	0	0	0.00E+00	0.00E+00	0.00E+00
2052	0	0	0.00E+00	0.00E+00	0.00E+00
2053	0	0	0.00E+00	0.00E+00	0.00E+00
2054	0	0	0.00E+00	0.00E+00	0.00E+00
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2056	0	0	0.00E+00	0.00E+00	0.00E+00
2057	0	0	0.00E+00	0.00E+00	0.00E+00
2058	0	0	0.00E+00	0.00E+00	0.00E+00
2059	0	0	0.00E+00	0.00E+00	0.00E+00
2060	0	0	0.00E+00	0.00E+00	0.00E+00

2061	0	0	0.00E+00	0.00E+00	0.00E+00
2062	0	0	0.00E+00	0.00E+00	0.00E+00
2063	0	0	0.00E+00	0.00E+00	0.00E+00
2064	0	0	0.00E+00	0.00E+00	0.00E+00
2065	0	0	0.00E+00	0.00E+00	0.00E+00
2066	0	0	0.00E+00	0.00E+00	0.00E+00
2067	0	0	0.00E+00	0.00E+00	0.00E+00
2068	0	0	0.00E+00	0.00E+00	0.00E+00
2069	0	0	0.00E+00	0.00E+00	0.00E+00
2070	0	0	0.00E+00	0.00E+00	0.00E+00
2071	0	0	0.00E+00	0.00E+00	0.00E+00
2072	0	0	0.00E+00	0.00E+00	0.00E+00
2073	0	0	0.00E+00	0.00E+00	0.00E+00
2074	0	0	0.00E+00	0.00E+00	0.00E+00
2075	0	0	0.00E+00	0.00E+00	0.00E+00
2076	0	0	0.00E+00	0.00E+00	0.00E+00
2077	0	0	0.00E+00	0.00E+00	0.00E+00
2078	0	0	0.00E+00	0.00E+00	0.00E+00
2079	0	0	0.00E+00	0.00E+00	0.00E+00
2080	0	0	0.00E+00	0.00E+00	0.00E+00
2081	0	0	0.00E+00	0.00E+00	0.00E+00
2082	0	0	0.00E+00	0.00E+00	0.00E+00
2083	0	0	0.00E+00	0.00E+00	0.00E+00
2084	0	0	0.00E+00	0.00E+00	0.00E+00
2085	0	0	0.00E+00	0.00E+00	0.00E+00
2086	0	0	0.00E+00	0.00E+00	0.00E+00
2087	0	0	0.00E+00	0.00E+00	0.00E+00
2088	0	0	0.00E+00	0.00E+00	0.00E+00
2089	0	0	0.00E+00	0.00E+00	0.00E+00
2090	0	0	0.00E+00	0.00E+00	0.00E+00
2091	0	0	0.00E+00	0.00E+00	0.00E+00
2092	0	0	0.00E+00	0.00E+00	0.00E+00
2093	0	0	0.00E+00	0.00E+00	0.00E+00
2094	0	0	0.00E+00	0.00E+00	0.00E+00
2095	0	0	0.00E+00	0.00E+00	0.00E+00
2096	0	0	0.00E+00	0.00E+00	0.00E+00
2097	0	0	0.00E+00	0.00E+00	0.00E+00
2098	0	0	0.00E+00	0.00E+00	0.00E+00
2099	0	0	0.00E+00	0.00E+00	0.00E+00
2100	0	0	0.00E+00	0.00E+00	0.00E+00
2101	0	0	0.00E+00	0.00E+00	0.00E+00
2102	0	0	0.00E+00	0.00E+00	0.00E+00
2103	0	0	0.00E+00	0.00E+00	0.00E+00
2104	0	0	0.00E+00	0.00E+00	0.00E+00
2105	0	0	0.00E+00	0.00E+00	0.00E+00
2106	0	0	0.00E+00	0.00E+00	0.00E+00
2107	0	0	0.00E+00	0.00E+00	0.00E+00

2108	0	0	0.00E+00	0.00E+00	0.00E+00
2109	0	0	0.00E+00	0.00E+00	0.00E+00
2110	0	0	0.00E+00	0.00E+00	0.00E+00
2111	0	0	0.00E+00	0.00E+00	0.00E+00
2112	0	0	0.00E+00	0.00E+00	0.00E+00
2113	0	0	0.00E+00	0.00E+00	0.00E+00
2114	0	0	0.00E+00	0.00E+00	0.00E+00
2115	0	0	0.00E+00	0.00E+00	0.00E+00
2116	0	0	0.00E+00	0.00E+00	0.00E+00
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2118	0	0	0.00E+00	0.00E+00	0.00E+00
2119	0	0	0.00E+00	0.00E+00	0.00E+00
2120	0	0	0.00E+00	0.00E+00	0.00E+00
2121	0	0	0.00E+00	0.00E+00	0.00E+00
2122	0	0	0.00E+00	0.00E+00	0.00E+00
2123	0	0	0.00E+00	0.00E+00	0.00E+00
2124	0	0	0.00E+00	0.00E+00	0.00E+00
2125	0	0	0.00E+00	0.00E+00	0.00E+00
2126	0	0	0.00E+00	0.00E+00	0.00E+00
2127	0	0	0.00E+00	0.00E+00	0.00E+00
2128	0	0	0.00E+00	0.00E+00	0.00E+00
2129	0	0	0.00E+00	0.00E+00	0.00E+00
2130	0	0	0.00E+00	0.00E+00	0.00E+00
2131	0	0	0.00E+00	0.00E+00	0.00E+00
2132	0	0	0.00E+00	0.00E+00	0.00E+00
2133	0	0	0.00E+00	0.00E+00	0.00E+00
2134	0	0	0.00E+00	0.00E+00	0.00E+00
2135	0	0	0.00E+00	0.00E+00	0.00E+00
2136	0	0	0.00E+00	0.00E+00	0.00E+00
2137	0	0	0.00E+00	0.00E+00	0.00E+00
2138	0	0	0.00E+00	0.00E+00	0.00E+00
2139	0	0	0.00E+00	0.00E+00	0.00E+00
2140	0	0	0.00E+00	0.00E+00	0.00E+00
2141	0	0	0.00E+00	0.00E+00	0.00E+00
2142	0	0	0.00E+00	0.00E+00	0.00E+00
2143	0	0	0.00E+00	0.00E+00	0.00E+00
2144	0	0	0.00E+00	0.00E+00	0.00E+00
2145	0	0	0.00E+00	0.00E+00	0.00E+00
2146	0	0	0.00E+00	0.00E+00	0.00E+00
2147	0	0	0.00E+00	0.00E+00	0.00E+00
2148	0	0	0.00E+00	0.00E+00	0.00E+00
2149	0	0	0.00E+00	0.00E+00	0.00E+00
2150	0	0	0.00E+00	0.00E+00	0.00E+00
2151	0	0	0.00E+00	0.00E+00	0.00E+00
2152	0	0	0.00E+00	0.00E+00	0.00E+00
2153	0	0	0.00E+00	0.00E+00	0.00E+00
2154	0	0	0.00E+00	0.00E+00	0.00E+00

2155	0	0	0.00E+00	0.00E+00	0.00E+00
2156	0	0	0.00E+00	0.00E+00	0.00E+00
2157	0	0	0.00E+00	0.00E+00	0.00E+00
2158	0	0	0.00E+00	0.00E+00	0.00E+00
2159	0	0	0.00E+00	0.00E+00	0.00E+00
2160	0	0	0.00E+00	0.00E+00	0.00E+00
2161	0	0	0.00E+00	0.00E+00	0.00E+00
2162	0	0	0.00E+00	0.00E+00	0.00E+00
2163	0	0	0.00E+00	0.00E+00	0.00E+00
2164	0	0	0.00E+00	0.00E+00	0.00E+00
2165	0	0	0.00E+00	0.00E+00	0.00E+00
2166	0	0	0.00E+00	0.00E+00	0.00E+00
2167	0	0	0.00E+00	0.00E+00	0.00E+00
2168	0	0	0.00E+00	0.00E+00	0.00E+00
2169	0	0	0.00E+00	0.00E+00	0.00E+00
2170	0	0	0.00E+00	0.00E+00	0.00E+00
2171	0	0	0.00E+00	0.00E+00	0.00E+00
2172	0	0	0.00E+00	0.00E+00	0.00E+00
2173	0	0	0.00E+00	0.00E+00	0.00E+00
2174	0	0	0.00E+00	0.00E+00	0.00E+00
2175	0	0	0.00E+00	0.00E+00	0.00E+00
2176	0	0	0.00E+00	0.00E+00	0.00E+00
2177	0	0	0.00E+00	0.00E+00	0.00E+00
2178	0	0	0.00E+00	0.00E+00	0.00E+00
2179	0	0	0.00E+00	0.00E+00	0.00E+00
2180	0	0	0.00E+00	0.00E+00	0.00E+00
2181	0	0	0.00E+00	0.00E+00	0.00E+00
2182	0	0	0.00E+00	0.00E+00	0.00E+00
2183	0	0	0.00E+00	0.00E+00	0.00E+00
2184	0	0	0.00E+00	0.00E+00	0.00E+00
2185	0	0	0.00E+00	0.00E+00	0.00E+00
2186	0	0	0.00E+00	0.00E+00	0.00E+00
2187	0	0	0.00E+00	0.00E+00	0.00E+00
2188	0	0	0.00E+00	0.00E+00	0.00E+00
2189	0	0	0.00E+00	0.00E+00	0.00E+00
2190	0	0	0.00E+00	0.00E+00	0.00E+00
2191	0	0	0.00E+00	0.00E+00	0.00E+00
2192	0	0	0.00E+00	0.00E+00	0.00E+00
2193	0	0	0.00E+00	0.00E+00	0.00E+00
2194	0	0	0.00E+00	0.00E+00	0.00E+00
2195	0	0	0.00E+00	0.00E+00	0.00E+00
2196	0	0	0.00E+00	0.00E+00	0.00E+00
2197	0	0	0.00E+00	0.00E+00	0.00E+00
2198	0	0	0.00E+00	0.00E+00	0.00E+00
2199	0	0	0.00E+00	0.00E+00	0.00E+00
2200	0	0	0.00E+00	0.00E+00	0.00E+00
2201	0	0	0.00E+00	0.00E+00	0.00E+00

2202	0	0	0.00E+00	0.00E+00	0.00E+00
2203	0	0	0.00E+00	0.00E+00	0.00E+00
2204	0	0	0.00E+00	0.00E+00	0.00E+00
2205	0	0	0.00E+00	0.00E+00	0.00E+00
2206	0	0	0.00E+00	0.00E+00	0.00E+00
2207	0	0	0.00E+00	0.00E+00	0.00E+00
2208	0	0	0.00E+00	0.00E+00	0.00E+00
2209	0	0	0.00E+00	0.00E+00	0.00E+00
2210	0	0	0.00E+00	0.00E+00	0.00E+00
2211	0	0	0.00E+00	0.00E+00	0.00E+00
2212	0	0	0.00E+00	0.00E+00	0.00E+00
2213	0	0	0.00E+00	0.00E+00	0.00E+00
2214	0	0	0.00E+00	0.00E+00	0.00E+00
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2219	0	0	0.00E+00	0.00E+00	0.00E+00
2220	0	0	0.00E+00	0.00E+00	0.00E+00
2221	0	0	0.00E+00	0.00E+00	0.00E+00
2222	0	0	0.00E+00	0.00E+00	0.00E+00
2223	0	0	0.00E+00	0.00E+00	0.00E+00
2224	0	0	0.00E+00	0.00E+00	0.00E+00
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2227	0	0	0.00E+00	0.00E+00	0.00E+00
2228	0	0	0.00E+00	0.00E+00	0.00E+00
2229	0	0	0.00E+00	0.00E+00	0.00E+00
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2239	0	0	0.00E+00	0.00E+00	0.00E+00
2240	0	0	0.00E+00	0.00E+00	0.00E+00
2241	0	0	0.00E+00	0.00E+00	0.00E+00
2242	0	0	0.00E+00	0.00E+00	0.00E+00
2243	0	0	0.00E+00	0.00E+00	0.00E+00
2244	0	0	0.00E+00	0.00E+00	0.00E+00
2245	0	0	0.00E+00	0.00E+00	0.00E+00
2246	0	0	0.00E+00	0.00E+00	0.00E+00
2247	0	0	0.00E+00	0.00E+00	0.00E+00
2248	0	0	0.00E+00	0.00E+00	0.00E+00

2249	0	0	0.00E+00	0.00E+00	0.00E+00
2250	0	0	0.00E+00	0.00E+00	0.00E+00
2251	0	0	0.00E+00	0.00E+00	0.00E+00
2252	0	0	0.00E+00	0.00E+00	0.00E+00
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2254	0	0	0.00E+00	0.00E+00	0.00E+00
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2256	0	0	0.00E+00	0.00E+00	0.00E+00
2257	0	0	0.00E+00	0.00E+00	0.00E+00
2258	0	0	0.00E+00	0.00E+00	0.00E+00
2259	0	0	0.00E+00	0.00E+00	0.00E+00
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2261	0	0	0.00E+00	0.00E+00	0.00E+00
2262	0	0	0.00E+00	0.00E+00	0.00E+00
2263	0	0	0.00E+00	0.00E+00	0.00E+00
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2266	0	0	0.00E+00	0.00E+00	0.00E+00
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2268	0	0	0.00E+00	0.00E+00	0.00E+00
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2277	0	0	0.00E+00	0.00E+00	0.00E+00
2278	0	0	0.00E+00	0.00E+00	0.00E+00
2279	0	0	0.00E+00	0.00E+00	0.00E+00
2280	0	0	0.00E+00	0.00E+00	0.00E+00
2281	0	0	0.00E+00	0.00E+00	0.00E+00
2282	0	0	0.00E+00	0.00E+00	0.00E+00
2283	0	0	0.00E+00	0.00E+00	0.00E+00
2284	0	0	0.00E+00	0.00E+00	0.00E+00
2285	0	0	0.00E+00	0.00E+00	0.00E+00
2286	0	0	0.00E+00	0.00E+00	0.00E+00
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2295	0	0	0.00E+00	0.00E+00	0.00E+00

2296	0	0	0.00E+00	0.00E+00	0.00E+00
2297	0	0	0.00E+00	0.00E+00	0.00E+00
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2299	0	0	0.00E+00	0.00E+00	0.00E+00
2300	0	0	0.00E+00	0.00E+00	0.00E+00
2301	0	0	0.00E+00	0.00E+00	0.00E+00
2302	0	0	0.00E+00	0.00E+00	0.00E+00
2303	0	0	0.00E+00	0.00E+00	0.00E+00
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2305	0	0	0.00E+00	0.00E+00	0.00E+00
2306	0	0	0.00E+00	0.00E+00	0.00E+00
2307	0	0	0.00E+00	0.00E+00	0.00E+00
2308	0	0	0.00E+00	0.00E+00	0.00E+00
2309	0	0	0.00E+00	0.00E+00	0.00E+00
2310	0	0	0.00E+00	0.00E+00	0.00E+00
2311	0	0	0.00E+00	0.00E+00	0.00E+00
2312	0	0	0.00E+00	0.00E+00	0.00E+00
2313	0	0	0.00E+00	0.00E+00	0.00E+00
2314	0	0	0.00E+00	0.00E+00	0.00E+00
2315	0	0	0.00E+00	0.00E+00	0.00E+00
2316	0	0	0.00E+00	0.00E+00	0.00E+00
2317	0	0	0.00E+00	0.00E+00	0.00E+00
2318	0	0	0.00E+00	0.00E+00	0.00E+00
2319	0	0	0.00E+00	0.00E+00	0.00E+00
2320	0	0	0.00E+00	0.00E+00	0.00E+00
2321	0	0	0.00E+00	0.00E+00	0.00E+00
2322	0	0	0.00E+00	0.00E+00	0.00E+00
2323	0	0	0.00E+00	0.00E+00	0.00E+00
2324	0	0	0.00E+00	0.00E+00	0.00E+00
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2326	0	0	0.00E+00	0.00E+00	0.00E+00
2327	0	0	0.00E+00	0.00E+00	0.00E+00
2328	0	0	0.00E+00	0.00E+00	0.00E+00
2329	0	0	0.00E+00	0.00E+00	0.00E+00
2330	0	0	0.00E+00	0.00E+00	0.00E+00
2331	0	0	0.00E+00	0.00E+00	0.00E+00
2332	0	0	0.00E+00	0.00E+00	0.00E+00
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2360	0	0	0.00E+00	0.00E+00	0.00E+00
2361	0	0	0.00E+00	0.00E+00	0.00E+00
2362	0	0	0.00E+00	0.00E+00	0.00E+00
2363	0	0	0.00E+00	0.00E+00	0.00E+00
2364	0	0	0.00E+00	0.00E+00	0.00E+00
2365	0	0	0.00E+00	0.00E+00	0.00E+00
2366	0	0	0.00E+00	0.00E+00	0.00E+00
2367	0	0	0.00E+00	0.00E+00	0.00E+00
2368	0	0	0.00E+00	0.00E+00	0.00E+00
2369	0	0	0.00E+00	0.00E+00	0.00E+00
2370	0	0	0.00E+00	0.00E+00	0.00E+00
2371	0	0	0.00E+00	0.00E+00	0.00E+00
2372	0	0	0.00E+00	0.00E+00	0.00E+00
2373	0	0	0.00E+00	0.00E+00	0.00E+00
2374	0	0	0.00E+00	0.00E+00	0.00E+00
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2377	0	0	0.00E+00	0.00E+00	0.00E+00
2378	0	0	0.00E+00	0.00E+00	0.00E+00
2379	0	0	0.00E+00	0.00E+00	0.00E+00
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2395	0	0	0.00E+00	0.00E+00	0.00E+00
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2397	0	0	0.00E+00	0.00E+00	0.00E+00
2398	0	0	0.00E+00	0.00E+00	0.00E+00
2399	0	0	0.00E+00	0.00E+00	0.00E+00
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2413	0	0	0.00E+00	0.00E+00	0.00E+00
2414	0	0	0.00E+00	0.00E+00	0.00E+00
2415	0	0	0.00E+00	0.00E+00	0.00E+00
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2419	0	0	0.00E+00	0.00E+00	0.00E+00
2420	0	0	0.00E+00	0.00E+00	0.00E+00
2421	0	0	0.00E+00	0.00E+00	0.00E+00
2422	0	0	0.00E+00	0.00E+00	0.00E+00
2423	0	0	0.00E+00	0.00E+00	0.00E+00
2424	0	0	0.00E+00	0.00E+00	0.00E+00
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2427	0	0	0.00E+00	0.00E+00	0.00E+00
2428	0	0	0.00E+00	0.00E+00	0.00E+00
2429	0	0	0.00E+00	0.00E+00	0.00E+00
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2441	0	0	0.00E+00	0.00E+00	0.00E+00
2442	0	0	0.00E+00	0.00E+00	0.00E+00
2443	0	0	0.00E+00	0.00E+00	0.00E+00
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2460	0	0	0.00E+00	0.00E+00	0.00E+00
2461	0	0	0.00E+00	0.00E+00	0.00E+00
2462	0	0	0.00E+00	0.00E+00	0.00E+00
2463	0	0	0.00E+00	0.00E+00	0.00E+00
2464	0	0	0.00E+00	0.00E+00	0.00E+00
2465	0	0	0.00E+00	0.00E+00	0.00E+00
2466	0	0	0.00E+00	0.00E+00	0.00E+00
2467	0	0	0.00E+00	0.00E+00	0.00E+00
2468	0	0	0.00E+00	0.00E+00	0.00E+00
2469	0	0	0.00E+00	0.00E+00	0.00E+00
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2471	0	0	0.00E+00	0.00E+00	0.00E+00
2472	0	0	0.00E+00	0.00E+00	0.00E+00
2473	0	0	0.00E+00	0.00E+00	0.00E+00
2474	0	0	0.00E+00	0.00E+00	0.00E+00
2475	0	0	0.00E+00	0.00E+00	0.00E+00
2476	0	0	0.00E+00	0.00E+00	0.00E+00
2477	0	0	0.00E+00	0.00E+00	0.00E+00
2478	0	0	0.00E+00	0.00E+00	0.00E+00
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2492	0	0	0.00E+00	0.00E+00	0.00E+00
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2566	0	0	0.00E+00	0.00E+00	0.00E+00
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2800	0	0	0.00E+00	0.00E+00	0.00E+00
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3003	0	0	0.00E+00	0.00E+00	0.00E+00
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3005	0	0	0.00E+00	0.00E+00	0.00E+00
3006	0	0	0.00E+00	0.00E+00	0.00E+00
3007	0	0	0.00E+00	0.00E+00	0.00E+00
3008	0	0	0.00E+00	0.00E+00	0.00E+00
3009	0	0	0.00E+00	0.00E+00	0.00E+00
3010	0	0	0.00E+00	0.00E+00	0.00E+00
3011	0	0	0.00E+00	0.00E+00	0.00E+00
3012	0	0	0.00E+00	0.00E+00	0.00E+00
3013	0	0	0.00E+00	0.00E+00	0.00E+00
3014	0	0	0.00E+00	0.00E+00	0.00E+00
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3018	0	0	0.00E+00	0.00E+00	0.00E+00
3019	0	0	0.00E+00	0.00E+00	0.00E+00
3020	0	0	0.00E+00	0.00E+00	0.00E+00
3021	0	0	0.00E+00	0.00E+00	0.00E+00
3022	0	0	0.00E+00	0.00E+00	0.00E+00
3023	0	0	0.00E+00	0.00E+00	0.00E+00
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3027	0	0	0.00E+00	0.00E+00	0.00E+00
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3281	0	0	0.00E+00	0.00E+00	0.00E+00
3282	0	0	0.00E+00	0.00E+00	0.00E+00

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3565	0	0	0.00E+00	0.00E+00	0.00E+00
3566	0	0	0.00E+00	0.00E+00	0.00E+00
3567	0	0	0.00E+00	0.00E+00	0.00E+00
3568	0	0	0.00E+00	0.00E+00	0.00E+00
3569	0	0	0.00E+00	0.00E+00	0.00E+00
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3571	0	0	0.00E+00	0.00E+00	0.00E+00
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4125	0	0	0.00E+00	0.00E+00	0.00E+00
4126	0	0	0.00E+00	0.00E+00	0.00E+00
4127	0	0	0.00E+00	0.00E+00	0.00E+00
4128	0	0	0.00E+00	0.00E+00	0.00E+00

4129	0	0	0.00E+00	0.00E+00	0.00E+00
4130	0	0	0.00E+00	0.00E+00	0.00E+00
4131	0	0	0.00E+00	0.00E+00	0.00E+00
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4133	0	0	0.00E+00	0.00E+00	0.00E+00
4134	0	0	0.00E+00	0.00E+00	0.00E+00
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4173	0	0	0.00E+00	0.00E+00	0.00E+00
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4363	0	0	0.00E+00	0.00E+00	0.00E+00

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4402	0	0	0.00E+00	0.00E+00	0.00E+00
4403	0	0	0.00E+00	0.00E+00	0.00E+00
4404	0	0	0.00E+00	0.00E+00	0.00E+00
4405	0	0	0.00E+00	0.00E+00	0.00E+00
4406	0	0	0.00E+00	0.00E+00	0.00E+00
4407	0	0	0.00E+00	0.00E+00	0.00E+00
4408	0	0	0.00E+00	0.00E+00	0.00E+00
4409	0	0	0.00E+00	0.00E+00	0.00E+00
4410	0	0	0.00E+00	0.00E+00	0.00E+00

4411	0	0	0.00E+00	0.00E+00	0.00E+00
4412	0	0	0.00E+00	0.00E+00	0.00E+00
4413	0	0	0.00E+00	0.00E+00	0.00E+00
4414	0	0	0.00E+00	0.00E+00	0.00E+00
4415	0	0	0.00E+00	0.00E+00	0.00E+00
4416	0	0	0.00E+00	0.00E+00	0.00E+00
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4418	0	0	0.00E+00	0.00E+00	0.00E+00
4419	0	0	0.00E+00	0.00E+00	0.00E+00
4420	0	0	0.00E+00	0.00E+00	0.00E+00
4421	0	0	0.00E+00	0.00E+00	0.00E+00
4422	0	0	0.00E+00	0.00E+00	0.00E+00
4423	0	0	0.00E+00	0.00E+00	0.00E+00
4424	0	0	0.00E+00	0.00E+00	0.00E+00
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4451	0	0	0.00E+00	0.00E+00	0.00E+00
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4662	0	0	0.00E+00	0.00E+00	0.00E+00
4663	0	0	0.00E+00	0.00E+00	0.00E+00
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4683	0	0	0.00E+00	0.00E+00	0.00E+00
4684	0	0	0.00E+00	0.00E+00	0.00E+00
4685	0	0	0.00E+00	0.00E+00	0.00E+00
4686	0	0	0.00E+00	0.00E+00	0.00E+00
4687	0	0	0.00E+00	0.00E+00	0.00E+00
4688	0	0	0.00E+00	0.00E+00	0.00E+00
4689	0	0	0.00E+00	0.00E+00	0.00E+00
4690	0	0	0.00E+00	0.00E+00	0.00E+00
4691	0	0	0.00E+00	0.00E+00	0.00E+00
4692	0	0	0.00E+00	0.00E+00	0.00E+00

4693	0	0	0.00E+00	0.00E+00	0.00E+00
4694	0	0	0.00E+00	0.00E+00	0.00E+00
4695	0	0	0.00E+00	0.00E+00	0.00E+00
4696	0	0	0.00E+00	0.00E+00	0.00E+00
4697	0	0	0.00E+00	0.00E+00	0.00E+00
4698	0	0	0.00E+00	0.00E+00	0.00E+00
4699	0	0	0.00E+00	0.00E+00	0.00E+00
4700	0	0	0.00E+00	0.00E+00	0.00E+00
4701	0	0	0.00E+00	0.00E+00	0.00E+00
4702	0	0	0.00E+00	0.00E+00	0.00E+00
4703	0	0	0.00E+00	0.00E+00	0.00E+00
4704	0	0	0.00E+00	0.00E+00	0.00E+00
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4707	0	0	0.00E+00	0.00E+00	0.00E+00
4708	0	0	0.00E+00	0.00E+00	0.00E+00
4709	0	0	0.00E+00	0.00E+00	0.00E+00
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4711	0	0	0.00E+00	0.00E+00	0.00E+00
4712	0	0	0.00E+00	0.00E+00	0.00E+00
4713	0	0	0.00E+00	0.00E+00	0.00E+00
4714	0	0	0.00E+00	0.00E+00	0.00E+00
4715	0	0	0.00E+00	0.00E+00	0.00E+00
4716	0	0	0.00E+00	0.00E+00	0.00E+00
4717	0	0	0.00E+00	0.00E+00	0.00E+00
4718	0	0	0.00E+00	0.00E+00	0.00E+00
4719	0	0	0.00E+00	0.00E+00	0.00E+00
4720	0	0	0.00E+00	0.00E+00	0.00E+00
4721	0	0	0.00E+00	0.00E+00	0.00E+00
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4727	0	0	0.00E+00	0.00E+00	0.00E+00
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4737	0	0	0.00E+00	0.00E+00	0.00E+00
4738	0	0	0.00E+00	0.00E+00	0.00E+00
4739	0	0	0.00E+00	0.00E+00	0.00E+00

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4741	0	0	0.00E+00	0.00E+00	0.00E+00
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4754	0	0	0.00E+00	0.00E+00	0.00E+00
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4756	0	0	0.00E+00	0.00E+00	0.00E+00
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4758	0	0	0.00E+00	0.00E+00	0.00E+00
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4766	0	0	0.00E+00	0.00E+00	0.00E+00
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4768	0	0	0.00E+00	0.00E+00	0.00E+00
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4773	0	0	0.00E+00	0.00E+00	0.00E+00
4774	0	0	0.00E+00	0.00E+00	0.00E+00
4775	0	0	0.00E+00	0.00E+00	0.00E+00
4776	0	0	0.00E+00	0.00E+00	0.00E+00
4777	0	0	0.00E+00	0.00E+00	0.00E+00
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4801	0	0	0.00E+00	0.00E+00	0.00E+00
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4804	0	0	0.00E+00	0.00E+00	0.00E+00
4805	0	0	0.00E+00	0.00E+00	0.00E+00
4806	0	0	0.00E+00	0.00E+00	0.00E+00
4807	0	0	0.00E+00	0.00E+00	0.00E+00
4808	0	0	0.00E+00	0.00E+00	0.00E+00
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4851	0	0	0.00E+00	0.00E+00	0.00E+00
4852	0	0	0.00E+00	0.00E+00	0.00E+00
4853	0	0	0.00E+00	0.00E+00	0.00E+00
4854	0	0	0.00E+00	0.00E+00	0.00E+00
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4859	0	0	0.00E+00	0.00E+00	0.00E+00
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4861	0	0	0.00E+00	0.00E+00	0.00E+00
4862	0	0	0.00E+00	0.00E+00	0.00E+00
4863	0	0	0.00E+00	0.00E+00	0.00E+00
4864	0	0	0.00E+00	0.00E+00	0.00E+00
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4866	0	0	0.00E+00	0.00E+00	0.00E+00
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4882	0	0	0.00E+00	0.00E+00	0.00E+00
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4901	0	0	0.00E+00	0.00E+00	0.00E+00
4902	0	0	0.00E+00	0.00E+00	0.00E+00
4903	0	0	0.00E+00	0.00E+00	0.00E+00
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4905	0	0	0.00E+00	0.00E+00	0.00E+00
4906	0	0	0.00E+00	0.00E+00	0.00E+00
4907	0	0	0.00E+00	0.00E+00	0.00E+00
4908	0	0	0.00E+00	0.00E+00	0.00E+00
4909	0	0	0.00E+00	0.00E+00	0.00E+00
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4911	0	0	0.00E+00	0.00E+00	0.00E+00
4912	0	0	0.00E+00	0.00E+00	0.00E+00
4913	0	0	0.00E+00	0.00E+00	0.00E+00
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4941	0	0	0.00E+00	0.00E+00	0.00E+00
4942	0	0	0.00E+00	0.00E+00	0.00E+00
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4949	0	0	0.00E+00	0.00E+00	0.00E+00
4950	0	0	0.00E+00	0.00E+00	0.00E+00
4951	0	0	0.00E+00	0.00E+00	0.00E+00
4952	0	0	0.00E+00	0.00E+00	0.00E+00
4953	0	0	0.00E+00	0.00E+00	0.00E+00
4954	0	0	0.00E+00	0.00E+00	0.00E+00
4955	0	0	0.00E+00	0.00E+00	0.00E+00
4956	0	0	0.00E+00	0.00E+00	0.00E+00
4957	0	0	0.00E+00	0.00E+00	0.00E+00
4958	0	0	0.00E+00	0.00E+00	0.00E+00
4959	0	0	0.00E+00	0.00E+00	0.00E+00
4960	0	0	0.00E+00	0.00E+00	0.00E+00
4961	0	0	0.00E+00	0.00E+00	0.00E+00
4962	0	0	0.00E+00	0.00E+00	0.00E+00
4963	0	0	0.00E+00	0.00E+00	0.00E+00
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4967	0	0	0.00E+00	0.00E+00	0.00E+00
4968	0	0	0.00E+00	0.00E+00	0.00E+00
4969	0	0	0.00E+00	0.00E+00	0.00E+00
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4971	0	0	0.00E+00	0.00E+00	0.00E+00
4972	0	0	0.00E+00	0.00E+00	0.00E+00
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4993	0	0	0.00E+00	0.00E+00	0.00E+00
4994	0	0	0.00E+00	0.00E+00	0.00E+00
4995	0	0	0.00E+00	0.00E+00	0.00E+00
4996	0	0	0.00E+00	0.00E+00	0.00E+00
4997	0	0	0.00E+00	0.00E+00	0.00E+00
4998	0	0	0.00E+00	0.00E+00	0.00E+00
4999	0	0	0.00E+00	0.00E+00	0.00E+00
5000	0	0	0.00E+00	0.00E+00	0.00E+00
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5805	0	0	0.00E+00	0.00E+00	0.00E+00
5806	0	0	0.00E+00	0.00E+00	0.00E+00
5807	0	0	0.00E+00	0.00E+00	0.00E+00
5808	0	0	0.00E+00	0.00E+00	0.00E+00
5809	0	0	0.00E+00	0.00E+00	0.00E+00
5810	0	0	0.00E+00	0.00E+00	0.00E+00
5811	0	0	0.00E+00	0.00E+00	0.00E+00
5812	0	0	0.00E+00	0.00E+00	0.00E+00
5813	0	0	0.00E+00	0.00E+00	0.00E+00
5814	0	0	0.00E+00	0.00E+00	0.00E+00
5815	0	0	0.00E+00	0.00E+00	0.00E+00
5816	0	0	0.00E+00	0.00E+00	0.00E+00
5817	0	0	0.00E+00	0.00E+00	0.00E+00
5818	0	0	0.00E+00	0.00E+00	0.00E+00
5819	0	0	0.00E+00	0.00E+00	0.00E+00
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5822	0	0	0.00E+00	0.00E+00	0.00E+00
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5824	0	0	0.00E+00	0.00E+00	0.00E+00
5825	0	0	0.00E+00	0.00E+00	0.00E+00
5826	0	0	0.00E+00	0.00E+00	0.00E+00
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6071	0	0	0.00E+00	0.00E+00	0.00E+00
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6077	0	0	0.00E+00	0.00E+00	0.00E+00
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6083	0	0	0.00E+00	0.00E+00	0.00E+00
6084	0	0	0.00E+00	0.00E+00	0.00E+00
6085	0	0	0.00E+00	0.00E+00	0.00E+00
6086	0	0	0.00E+00	0.00E+00	0.00E+00
6087	0	0	0.00E+00	0.00E+00	0.00E+00
6088	0	0	0.00E+00	0.00E+00	0.00E+00
6089	0	0	0.00E+00	0.00E+00	0.00E+00
6090	0	0	0.00E+00	0.00E+00	0.00E+00
6091	0	0	0.00E+00	0.00E+00	0.00E+00
6092	0	0	0.00E+00	0.00E+00	0.00E+00
6093	0	0	0.00E+00	0.00E+00	0.00E+00
6094	0	0	0.00E+00	0.00E+00	0.00E+00
6095	0	0	0.00E+00	0.00E+00	0.00E+00
6096	0	0	0.00E+00	0.00E+00	0.00E+00
6097	0	0	0.00E+00	0.00E+00	0.00E+00
6098	0	0	0.00E+00	0.00E+00	0.00E+00
6099	0	0	0.00E+00	0.00E+00	0.00E+00
6100	0	0	0.00E+00	0.00E+00	0.00E+00
6101	0	0	0.00E+00	0.00E+00	0.00E+00
6102	0	0	0.00E+00	0.00E+00	0.00E+00

6103	0	0	0.00E+00	0.00E+00	0.00E+00
6104	0	0	0.00E+00	0.00E+00	0.00E+00
6105	0	0	0.00E+00	0.00E+00	0.00E+00
6106	0	0	0.00E+00	0.00E+00	0.00E+00
6107	0	0	0.00E+00	0.00E+00	0.00E+00
6108	0	0	0.00E+00	0.00E+00	0.00E+00
6109	0	0	0.00E+00	0.00E+00	0.00E+00
6110	0	0	0.00E+00	0.00E+00	0.00E+00
6111	0	0	0.00E+00	0.00E+00	0.00E+00
6112	0	0	0.00E+00	0.00E+00	0.00E+00
6113	0	0	0.00E+00	0.00E+00	0.00E+00
6114	0	0	0.00E+00	0.00E+00	0.00E+00
6115	0	0	0.00E+00	0.00E+00	0.00E+00
6116	0	0	0.00E+00	0.00E+00	0.00E+00
6117	0	0	0.00E+00	0.00E+00	0.00E+00
6118	0	0	0.00E+00	0.00E+00	0.00E+00
6119	0	0	0.00E+00	0.00E+00	0.00E+00
6120	0	0	0.00E+00	0.00E+00	0.00E+00
6121	0	0	0.00E+00	0.00E+00	0.00E+00
6122	0	0	0.00E+00	0.00E+00	0.00E+00
6123	0	0	0.00E+00	0.00E+00	0.00E+00
6124	0	0	0.00E+00	0.00E+00	0.00E+00
6125	0	0	0.00E+00	0.00E+00	0.00E+00
6126	0	0	0.00E+00	0.00E+00	0.00E+00
6127	0	0	0.00E+00	0.00E+00	0.00E+00
6128	0	0	0.00E+00	0.00E+00	0.00E+00
6129	0	0	0.00E+00	0.00E+00	0.00E+00
6130	0	0	0.00E+00	0.00E+00	0.00E+00
6131	0	0	0.00E+00	0.00E+00	0.00E+00
6132	0	0	0.00E+00	0.00E+00	0.00E+00
6133	0	0	0.00E+00	0.00E+00	0.00E+00
6134	0	0	0.00E+00	0.00E+00	0.00E+00
6135	0	0	0.00E+00	0.00E+00	0.00E+00
6136	0	0	0.00E+00	0.00E+00	0.00E+00
6137	0	0	0.00E+00	0.00E+00	0.00E+00
6138	0	0	0.00E+00	0.00E+00	0.00E+00
6139	0	0	0.00E+00	0.00E+00	0.00E+00
6140	0	0	0.00E+00	0.00E+00	0.00E+00
6141	0	0	0.00E+00	0.00E+00	0.00E+00
6142	0	0	0.00E+00	0.00E+00	0.00E+00
6143	0	0	0.00E+00	0.00E+00	0.00E+00
6144	0	0	0.00E+00	0.00E+00	0.00E+00
6145	0	0	0.00E+00	0.00E+00	0.00E+00
6146	0	0	0.00E+00	0.00E+00	0.00E+00
6147	0	0	0.00E+00	0.00E+00	0.00E+00
6148	0	0	0.00E+00	0.00E+00	0.00E+00
6149	0	0	0.00E+00	0.00E+00	0.00E+00

6150	0	0	0.00E+00	0.00E+00	0.00E+00
6151	0	0	0.00E+00	0.00E+00	0.00E+00
6152	0	0	0.00E+00	0.00E+00	0.00E+00
6153	0	0	0.00E+00	0.00E+00	0.00E+00
6154	0	0	0.00E+00	0.00E+00	0.00E+00
6155	0	0	0.00E+00	0.00E+00	0.00E+00
6156	0	0	0.00E+00	0.00E+00	0.00E+00
6157	0	0	0.00E+00	0.00E+00	0.00E+00
6158	0	0	0.00E+00	0.00E+00	0.00E+00
6159	0	0	0.00E+00	0.00E+00	0.00E+00
6160	0	0	0.00E+00	0.00E+00	0.00E+00
6161	0	0	0.00E+00	0.00E+00	0.00E+00
6162	0	0	0.00E+00	0.00E+00	0.00E+00
6163	0	0	0.00E+00	0.00E+00	0.00E+00
6164	0	0	0.00E+00	0.00E+00	0.00E+00
6165	0	0	0.00E+00	0.00E+00	0.00E+00
6166	0	0	0.00E+00	0.00E+00	0.00E+00
6167	0	0	0.00E+00	0.00E+00	0.00E+00
6168	0	0	0.00E+00	0.00E+00	0.00E+00
6169	0	0	0.00E+00	0.00E+00	0.00E+00
6170	0	0	0.00E+00	0.00E+00	0.00E+00
6171	0	0	0.00E+00	0.00E+00	0.00E+00
6172	0	0	0.00E+00	0.00E+00	0.00E+00
6173	0	0	0.00E+00	0.00E+00	0.00E+00
6174	0	0	0.00E+00	0.00E+00	0.00E+00
6175	0	0	0.00E+00	0.00E+00	0.00E+00
6176	0	0	0.00E+00	0.00E+00	0.00E+00
6177	0	0	0.00E+00	0.00E+00	0.00E+00
6178	0	0	0.00E+00	0.00E+00	0.00E+00
6179	0	0	0.00E+00	0.00E+00	0.00E+00
6180	0	0	0.00E+00	0.00E+00	0.00E+00
6181	0	0	0.00E+00	0.00E+00	0.00E+00
6182	0	0	0.00E+00	0.00E+00	0.00E+00
6183	0	0	0.00E+00	0.00E+00	0.00E+00
6184	0	0	0.00E+00	0.00E+00	0.00E+00
6185	0	0	0.00E+00	0.00E+00	0.00E+00
6186	0	0	0.00E+00	0.00E+00	0.00E+00
6187	0	0	0.00E+00	0.00E+00	0.00E+00
6188	0	0	0.00E+00	0.00E+00	0.00E+00
6189	0	0	0.00E+00	0.00E+00	0.00E+00
6190	0	0	0.00E+00	0.00E+00	0.00E+00
6191	0	0	0.00E+00	0.00E+00	0.00E+00
6192	0	0	0.00E+00	0.00E+00	0.00E+00
6193	0	0	0.00E+00	0.00E+00	0.00E+00
6194	0	0	0.00E+00	0.00E+00	0.00E+00
6195	0	0	0.00E+00	0.00E+00	0.00E+00
6196	0	0	0.00E+00	0.00E+00	0.00E+00

6197	0	0	0.00E+00	0.00E+00	0.00E+00
6198	0	0	0.00E+00	0.00E+00	0.00E+00
6199	0	0	0.00E+00	0.00E+00	0.00E+00
6200	0	0	0.00E+00	0.00E+00	0.00E+00
6201	0	0	0.00E+00	0.00E+00	0.00E+00
6202	0	0	0.00E+00	0.00E+00	0.00E+00
6203	0	0	0.00E+00	0.00E+00	0.00E+00
6204	0	0	0.00E+00	0.00E+00	0.00E+00
6205	0	0	0.00E+00	0.00E+00	0.00E+00
6206	0	0	0.00E+00	0.00E+00	0.00E+00
6207	0	0	0.00E+00	0.00E+00	0.00E+00
6208	0	0	0.00E+00	0.00E+00	0.00E+00
6209	0	0	0.00E+00	0.00E+00	0.00E+00
6210	0	0	0.00E+00	0.00E+00	0.00E+00
6211	0	0	0.00E+00	0.00E+00	0.00E+00
6212	0	0	0.00E+00	0.00E+00	0.00E+00
6213	0	0	0.00E+00	0.00E+00	0.00E+00
6214	0	0	0.00E+00	0.00E+00	0.00E+00
6215	0	0	0.00E+00	0.00E+00	0.00E+00
6216	0	0	0.00E+00	0.00E+00	0.00E+00
6217	0	0	0.00E+00	0.00E+00	0.00E+00
6218	0	0	0.00E+00	0.00E+00	0.00E+00
6219	0	0	0.00E+00	0.00E+00	0.00E+00
6220	0	0	0.00E+00	0.00E+00	0.00E+00
6221	0	0	0.00E+00	0.00E+00	0.00E+00
6222	0	0	0.00E+00	0.00E+00	0.00E+00
6223	0	0	0.00E+00	0.00E+00	0.00E+00
6224	0	0	0.00E+00	0.00E+00	0.00E+00
6225	0	0	0.00E+00	0.00E+00	0.00E+00
6226	0	0	0.00E+00	0.00E+00	0.00E+00
6227	0	0	0.00E+00	0.00E+00	0.00E+00
6228	0	0	0.00E+00	0.00E+00	0.00E+00
6229	0	0	0.00E+00	0.00E+00	0.00E+00
6230	0	0	0.00E+00	0.00E+00	0.00E+00
6231	0	0	0.00E+00	0.00E+00	0.00E+00
6232	0	0	0.00E+00	0.00E+00	0.00E+00
6233	0	0	0.00E+00	0.00E+00	0.00E+00
6234	0	0	0.00E+00	0.00E+00	0.00E+00
6235	0	0	0.00E+00	0.00E+00	0.00E+00
6236	0	0	0.00E+00	0.00E+00	0.00E+00
6237	0	0	0.00E+00	0.00E+00	0.00E+00
6238	0	0	0.00E+00	0.00E+00	0.00E+00
6239	0	0	0.00E+00	0.00E+00	0.00E+00
6240	0	0	0.00E+00	0.00E+00	0.00E+00
6241	0	0	0.00E+00	0.00E+00	0.00E+00
6242	0	0	0.00E+00	0.00E+00	0.00E+00
6243	0	0	0.00E+00	0.00E+00	0.00E+00

6244	0	0	0.00E+00	0.00E+00	0.00E+00
6245	0	0	0.00E+00	0.00E+00	0.00E+00
6246	0	0	0.00E+00	0.00E+00	0.00E+00
6247	0	0	0.00E+00	0.00E+00	0.00E+00
6248	0	0	0.00E+00	0.00E+00	0.00E+00
6249	0	0	0.00E+00	0.00E+00	0.00E+00
6250	0	0	0.00E+00	0.00E+00	0.00E+00
6251	0	0	0.00E+00	0.00E+00	0.00E+00
6252	0	0	0.00E+00	0.00E+00	0.00E+00
6253	0	0	0.00E+00	0.00E+00	0.00E+00
6254	0	0	0.00E+00	0.00E+00	0.00E+00
6255	0	0	0.00E+00	0.00E+00	0.00E+00
6256	0	0	0.00E+00	0.00E+00	0.00E+00
6257	0	0	0.00E+00	0.00E+00	0.00E+00
6258	0	0	0.00E+00	0.00E+00	0.00E+00
6259	0	0	0.00E+00	0.00E+00	0.00E+00
6260	0	0	0.00E+00	0.00E+00	0.00E+00
6261	0	0	0.00E+00	0.00E+00	0.00E+00
6262	0	0	0.00E+00	0.00E+00	0.00E+00
6263	0	0	0.00E+00	0.00E+00	0.00E+00
6264	0	0	0.00E+00	0.00E+00	0.00E+00
6265	0	0	0.00E+00	0.00E+00	0.00E+00
6266	0	0	0.00E+00	0.00E+00	0.00E+00
6267	0	0	0.00E+00	0.00E+00	0.00E+00
6268	0	0	0.00E+00	0.00E+00	0.00E+00
6269	0	0	0.00E+00	0.00E+00	0.00E+00
6270	0	0	0.00E+00	0.00E+00	0.00E+00
6271	0	0	0.00E+00	0.00E+00	0.00E+00
6272	0	0	0.00E+00	0.00E+00	0.00E+00
6273	0	0	0.00E+00	0.00E+00	0.00E+00
6274	0	0	0.00E+00	0.00E+00	0.00E+00
6275	0	0	0.00E+00	0.00E+00	0.00E+00
6276	0	0	0.00E+00	0.00E+00	0.00E+00
6277	0	0	0.00E+00	0.00E+00	0.00E+00
6278	0	0	0.00E+00	0.00E+00	0.00E+00
6279	0	0	0.00E+00	0.00E+00	0.00E+00
6280	0	0	0.00E+00	0.00E+00	0.00E+00
6281	0	0	0.00E+00	0.00E+00	0.00E+00
6282	0	0	0.00E+00	0.00E+00	0.00E+00
6283	0	0	0.00E+00	0.00E+00	0.00E+00
6284	0	0	0.00E+00	0.00E+00	0.00E+00
6285	0	0	0.00E+00	0.00E+00	0.00E+00
6286	0	0	0.00E+00	0.00E+00	0.00E+00
6287	0	0	0.00E+00	0.00E+00	0.00E+00
6288	0	0	0.00E+00	0.00E+00	0.00E+00
6289	0	0	0.00E+00	0.00E+00	0.00E+00
6290	0	0	0.00E+00	0.00E+00	0.00E+00

6291	0	0	0.00E+00	0.00E+00	0.00E+00
6292	0	0	0.00E+00	0.00E+00	0.00E+00
6293	0	0	0.00E+00	0.00E+00	0.00E+00
6294	0	0	0.00E+00	0.00E+00	0.00E+00
6295	0	0	0.00E+00	0.00E+00	0.00E+00
6296	0	0	0.00E+00	0.00E+00	0.00E+00
6297	0	0	0.00E+00	0.00E+00	0.00E+00
6298	0	0	0.00E+00	0.00E+00	0.00E+00
6299	0	0	0.00E+00	0.00E+00	0.00E+00
6300	0	0	0.00E+00	0.00E+00	0.00E+00
6301	0	0	0.00E+00	0.00E+00	0.00E+00
6302	0	0	0.00E+00	0.00E+00	0.00E+00
6303	0	0	0.00E+00	0.00E+00	0.00E+00
6304	0	0	0.00E+00	0.00E+00	0.00E+00
6305	0	0	0.00E+00	0.00E+00	0.00E+00
6306	0	0	0.00E+00	0.00E+00	0.00E+00
6307	0	0	0.00E+00	0.00E+00	0.00E+00
6308	0	0	0.00E+00	0.00E+00	0.00E+00

Operational Sensitive Receptor			
Parameter	**HARP Rec #**	**X & Y Coordinate**	**Result**
30 Yr Cancer Risk (in a Million)	1584	380470.49 3735296.36	7.84
70 Yr Cancer Risk (in a Million)		0 0	
Chronic HI	1584	380470.49 3735296.36	2.65E-03
Acute HI	1713	380550.49 3735386.36	6.21E-07
PM 2.5	1584	380470.49 3735296.36	0.0132

Operational Worker Receptor			
Parameter	**HARP Rec #**	**X & Y Coordinate**	**Result**
25 Yr Cancer Risk (in a Million)	2236	380673.9 3736088.46	5.08
Chronic HI	2236	380673.9 3736088.46	1.62E-02
Acute HI	761	380855.78 3736504.3	1.84E-06
PM 2.5	2236	380673.9 3736088.46	8.10E-02

	Zone	**11**	Process Coordinates	
	Datum	**WGS 1984**		
	KML File Name	**ESL2201.63 Project MEI**		

Description	**Receptor Type**	**Model Type**	**UTM X**	**UTM Y**	**Latitude**	**Longitude**	Sensitive Unmitigated	T2	T2L3	T4	**Row**
Operational	Sensitive	Cancer Risk 30 yr	380470.49	3735296.36			3	4	5	2	18
Operational	Sensitive	Chronic HI	380470.49	3735296.36			3	4	5	2	22
Operational	Sensitive	Acute HI	380550.49	3735386.36			3	4	5	2	24
Operational	Sensitive	PM 2.5	380470.49	3735296.36			3	4	5	2	26
Operational	Worker	Cancer Risk 25 yr	380673.9	3736088.46			8	9	10	7	18
Operational	Worker	Chronic HI	380673.9	3736088.46			8	9	10	7	20
Operational	Worker	Acute HI	380855.78	3736504.3			8	9	10	7	22
Operational	Worker	PM 2.5	380673.9	3736088.46			8	9	10	7	24

General AERMOD Input Parameters			
Project Boundary			
	Based on site plan		
Project Elevation Data			
	Source	**Lakes Environmental**	
	Link	http://www.webgis.com/terraindata.html	
	Evel Data Descr.	**SRTM**	
Project Receptor Grid			
	Telescoping Grid	Spacing (m)	Distance (m)
	Grid 1	**10**	**200**
	Grid 2	**20**	**200**
	Grid 3		
	Grid 4		
	Comments	**Receptors on roads or parking lot areas have been removed.**	
Meteorological Dataset			
	Location	**Long Beach Arpt.**	
	Provided By	**South Coast AQMD**	
	Years	**2012-2016**	
	Elevation (m)	**10**	
	Link	https://www.aqmd.gov/docs/default-source/air-quality/meterorological-data/aermod-ready-meteorological-data/table-1-meteorological-sites/2017/LongBeachAirportADJU.zip?sfvrsn=7	
Operational Modeling Specific Inputs			
AERMOD Input Options			
	Regulatory Options	**Default**	
	Pollutant Type	**Other**	
	Averaging Period	**Period / Hourly**	
	Dispersion Coefficient	**Urban**	
	Urban Grouping / Pop	**Y**	**9,818,605**
Diesel Truck Idling Parameters			
	Source Type	**Point**	
	Stack Ht. (m)	**3.658**	
	Stack Dia (m)	**0.044**	
	Stack Temp (k)	**388.7**	
	Velocity (m/s)	**25**	
Diesel Truck Travel Parameters			
	Source Type	**Line Volume**	
	Initial Vertical (m)	**1.42**	
	Initial Lateral (m)	**2.84**	
	Release Ht (m)	**Surface**	
	Volume Length (m)	**Roadway Segment Specific**	
Vehicle Travel Parameters			
	Source Type	**Line Volume**	
	Initial Vertical (m)		
	Initial Lateral (m)		
	Release Ht (m)	**Surface**	
	Comments	**Combined if trucks travel the same path**	

General HARP Input Parameters		
Sensitive Receptors		
Sensitive Scenario Parameters		
	Starting Age	**3rd Trimester**
	Age Range	**3rd Trimester - 30 Year**
	Receptor Type	**Individual Resident**
	Assessment Type	**Cancer / Chronic / Acute**
	Exposure Duration	**30**
	Intake Rate	**RMP using the Derived Method**
	Comments	
Sensitive Pathway Parameters		
	Pathways	**SCAQMD Mandatory minimum Pathways**
	Deposition Rate	**0.02**
	TAH < 16 yrs	**Y**
	TAH ≥ 16 yrs	**Y**

	Daily Trips
	1804

	Passenger Vehicles	2-Axle Trks	3-Axle Trks	4-Axle Trks	Total
Percentage	0.6%	0.0%	0.0%	99.4%	100%
# Daily Vehicles	10.00	0.00	0.00	1794.00	1804
# Annual Vehicles	3,651	0	0	654,809	658,460

Truck Travel

Onsite Truck Travel Emissions			
Category	# of Trucks / Yr	% of Total	DPM EF (lb/Mile)
2-Axle Trks	0	0.0%	0.00E+00
3-Axle Trks	0	0.0%	0.00E+00
4-Axle Trks	654,809	100.0%	1.90E+01
Total	654,809	100%	---

DPM Lbs/ Yr	ONSITE1	ONSITE2	ONSITE3				Total
Distance (m)	616.6	250.5	274.6				1141.7
%	71%	29%	100%	0%	0%	0%	200%
2-Axle Trks	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3-Axle Trks	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4-Axle Trks	5.19E+00	8.56E-01	3.25E+00	0.00E+00	0.00E+00	0.00E+00	9.29E+00
Total	5.19E+00	8.56E-01	3.25E+00	0.00E+00	0.00E+00	0.00E+00	9.29E+00

Offsite Truck Travel Emissions			
Category	# of Trucks / Yr	% of Total	DPM EF (lb/Mile)
2-Axle Trks	0	0.0%	0.00E+00
3-Axle Trks	0	0.0%	0.00E+00
4-Axle Trks	654,809	100.0%	3.53E+01
Total	654,809	100%	---

DPM Lbs/ Yr	TRAPAC_O	TRAPAC_I	WBCT	WBCT_O	Out1	OUT2	Total
Gas Only	N	N	N	N	N	N	
Distance (m)	2937.9	2988.6	451.9	418.6	831.5	2032.1	9660.6
%	15%	15%	23%	23%	58%	35%	168%
2-Axle Trks	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3-Axle Trks	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4-Axle Trks	9.66E+00	9.82E+00	2.23E+00	2.06E+00	1.06E+01	1.55E+01	4.99E+01
Total	9.66E+00	9.82E+00	2.23E+00	2.06E+00	1.06E+01	1.55E+01	4.99E+01

Truck Idle

# of Idling Pts	59

Truck Idling						Idle						Total
Category	# of Trucks / Yr	Idle EF (lbs /Idle-Event)	Time (Hr)	Lbs/ Yr	Lbs / Yr /Unit	59	0	0	0	0	0	59
2-Axle Trks	0	6.17E-05	0.25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3-Axle Trks	0	5.92E-05	0.25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4-Axle Trks	654,809	8.01E-05	0.25	1.31E+01	2.22E-01	1.31E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E+01
Total	654,809	--	--	1.31E+01	2.22E-01	2.22E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E+01

TRUs

Percent of Trucks	0		# of Units	1

Onsite TRU Emissions					
Category	Percentage	# of TRUs / Yr	Time (Hr)	*DPM EF (lbs/Event)	Emissions (lb/Yr)
2-Axle Trks	15.5	0	0.50	4.19E-03	0.00
3-Axle Trks	4.9	0			0.00
4-Axle Trks	24.3	0			0.00
Total	45	0	Emission/Unit		0.00

* TRU EF * BHP * Load factor * Time in hours

Vehicle Emissions

Vehicle Travel Percentage / Count			
Category	# of Vehicles / Yr	% LDA	% LDT
Passenger Vehicles	3,651	63%	36.78%
# Vehicles		2,308	1,343

Category	TOG Exhaust EF (lb/Mile)	TOG Runloss EF (lb/Mile)
LDA	3.55E-05	5.13E-04
LDT	7.60E-05	7.49E-04

CARB TOG Speciation Profile Run Exhaust			Lbs/mi/yr	
CAS#	Chemical Name	Fraction	LDA	LDT
75070	Acetaldehyde	2.80E-03	2.29E-04	2.86E-04
107028	Acrolein	1.30E-03	1.06E-04	1.33E-04
71432	Benzene	2.47E-02	2.02E-03	2.52E-03
106990	1,3-Butadiene	5.50E-03	4.50E-04	5.61E-04
100414	Ethylbenzene	1.05E-02	8.60E-04	1.07E-03
50000	Formaldehyde	1.58E-02	1.29E-03	1.61E-03
110543	Hexane	1.60E-02	1.31E-03	1.63E-03
67561	Methanol	1.20E-03	9.82E-05	1.22E-04
78933	Methyl Ethyl Ketone	2.00E-04	1.64E-05	2.04E-05
91203	Naphthalene	5.00E-04	4.09E-05	5.10E-05
115071	Propylene	3.06E-02	2.50E-03	3.12E-03
100425	Styrene	1.20E-03	9.82E-05	1.22E-04
108883	Toluene	5.76E-02	4.72E-03	5.88E-03
1330207	Xylenes	4.80E-02	3.93E-03	4.90E-03
9901	Diesel	1.94E-02	9.86E-02	5.74E-02

CARB TOG Speciation Profile Evaporative Losses			Lbs/mi/yr	
CAS#	Chemical Name	Fraction	LDA	LDT
71432	Benzene	3.600E-03	2.95E-04	3.67E-04
100414	Ethylbenzene	1.180E-03	9.66E-05	1.20E-04
110543	Hexane	1.540E-02	1.26E-03	1.57E-03
108883	Toluene	1.700E-02	1.39E-03	1.73E-03
1330207	Xylenes	5.780E-03	4.73E-04	5.90E-04

Vehicle Emissions Travel Summary

Emissions Summary				Source Col	1		2		3		4		5		6		7		8		9		10		11		12		Total Percentage	Total Distance
				Vehicles	ONSITE1		ONSITE2		ONSITE3		0		0		0		TRAPAC_O		TRAPAC_I		WBCT		WBCT_O		Out1		OUT2			
				Cars	71%		29%		100%		0%		0%		0%		0%		0%		0%		0%		0%		0%			
					71.00%		29.00%		100.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		200.00%	10802.3
				Trucks	0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%			
					0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%			
CAS#	Chemical Name	Lbs/mi/Hr	Lbs/mi/ Yr		Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr
75070	Acetaldehyde	1.72E-07	5.15E-04		1.22E-07	3.66E-04	4.98E-08	1.49E-04	1.72E-07	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-07	1.03E-03
107028	Acrolein	7.97E-08	2.39E-04		5.66E-08	1.70E-04	2.31E-08	6.93E-05	7.97E-08	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-07	4.78E-04
71432	Benzene	1.73E-06	5.20E-03		1.23E-06	3.69E-03	5.03E-07	1.51E-03	1.73E-06	5.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-06	1.04E-02
106990	1,3-Butadiene	3.37E-07	1.01E-03		2.39E-07	7.18E-04	9.78E-08	2.93E-04	3.37E-07	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-07	2.02E-03
100414	Ethylbenzene	7.16E-07	2.15E-03		5.08E-07	1.52E-03	2.08E-07	6.23E-04	7.16E-07	2.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-06	4.30E-03
50000	Formaldehyde	9.68E-07	2.91E-03		6.88E-07	2.06E-03	2.81E-07	8.43E-04	9.68E-07	2.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-06	5.81E-03
110543	Hexane	1.92E-06	5.77E-03		1.37E-06	4.10E-03	5.58E-07	1.67E-03	1.92E-06	5.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-06	1.15E-02
67561	Methanol	7.36E-08	2.21E-04		5.22E-08	1.57E-04	2.13E-08	6.40E-05	7.36E-08	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-07	4.41E-04
78933	Methyl Ethyl Ketone	1.23E-08	3.68E-05		8.70E-09	2.61E-05	3.55E-09	1.07E-05	1.23E-08	3.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-08	7.36E-05
91203	Naphthalene	3.06E-08	9.19E-05		2.18E-08	6.53E-05	8.89E-09	2.67E-05	3.06E-08	9.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-08	1.84E-04
115071	Propylene	1.88E-06	5.63E-03		1.33E-06	3.99E-03	5.44E-07	1.63E-03	1.88E-06	5.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-06	1.13E-02
100425	Styrene	7.36E-08	2.21E-04		5.22E-08	1.57E-04	2.13E-08	6.40E-05	7.36E-08	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-07	4.41E-04
108883	Toluene	4.57E-06	1.37E-02		3.25E-06	9.74E-03	1.33E-06	3.98E-03	4.57E-06	1.37E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-06	2.74E-02
1330207	Xylenes	3.30E-06	9.89E-03		2.34E-06	7.02E-03	9.56E-07	2.87E-03	3.30E-06	9.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-06	1.98E-02
9901	Diesel	5.20E-05	1.56E-01		3.69E-05	5.30E+00	1.51E-05	9.01E-01	5.20E-05	3.40E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E+00	0.00E+00	9.82E+00	0.00E+00	2.23E+00	0.00E+00	2.06E+00	0.00E+00	1.06E+01	0.00E+00	1.55E+01	1.04E-04	5.95E+01

	Model Source		Source Col	Dat Col		Col	Row	CAS#	Chemical Name	Pol Count	Source Count
1	ONSITE1		1	8	1	8	98	75070	Acetaldehyde	15	19
2	ONSITE2		2	10	2	10	99	107028	Acrolein		
3	ONSITE3		3	12	3	12	100	71432	Benzene		
4		0	4	14	4	14	101	106990	1-3,Butadiene		
5		0	5	16	5	16	102	100414	Ethylbenzene		
6		0	6	18	6	18	103	50000	Formaldehyde		
7	TRAPAC_O		7	20	7	20	104	110543	Hexane		
8	TRAPAC_I		8	22	8	22	105	67561	Methanol		
9	WBCT		9	24	9	24	106	78933	Methyl Ethyl Ketone		
10	WBCT_O		10	26	10	26	107	91203	Naphthalene		
11	Out1		11	28	11	28	108	115071	Propylene		
12	OUT2		12	30	12	30	109	100425	Styrene		
13	Idle		Idle1	8		8	110	108883	Toluene		
14		0	Idle1	9		8	111	1330207	Xylenes		
15		0	Idle1	10		8	112	9901	Diesel		
16		0	Idle1	11		8					
17		0	Idle1	12		8	37		Idle		
18		0	Idle1	13		7	47		TRU		
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1	8	98	1	1	ONSITE1	0	0	75070	Acetaldehyde	1	3.66E-04	1.22E-07	1
1	8	99	1	2	ONSITE1	0	0	107028	Acrolein	1	1.70E-04	5.66E-08	1
1	8	100	1	3	ONSITE1	0	0	71432	Benzene	1	3.69E-03	1.23E-06	1
1	8	101	1	4	ONSITE1	0	0	106990	1-3,Butadiene	1	7.18E-04	2.39E-07	1
1	8	102	1	5	ONSITE1	0	0	100414	Ethylbenzene	1	1.52E-03	5.08E-07	1
1	8	103	1	6	ONSITE1	0	0	50000	Formaldehyde	1	2.06E-03	6.88E-07	1
1	8	104	1	7	ONSITE1	0	0	110543	Hexane	1	4.10E-03	1.37E-06	1
1	8	105	1	8	ONSITE1	0	0	67561	Methanol	1	1.57E-04	5.22E-08	1
1	8	106	1	9	ONSITE1	0	0	78933	Methyl Ethyl Ketone	1	2.61E-05	8.70E-09	1
1	8	107	1	10	ONSITE1	0	0	91203	Naphthalene	1	6.53E-05	2.18E-08	1
1	8	108	1	11	ONSITE1	0	0	115071	Propylene	1	3.99E-03	1.33E-06	1
1	8	109	1	12	ONSITE1	0	0	100425	Styrene	1	1.57E-04	5.22E-08	1
1	8	110	1	13	ONSITE1	0	0	108883	Toluene	1	9.74E-03	3.25E-06	1
1	8	111	1	14	ONSITE1	0	0	1330207	Xylenes	1	7.02E-03	2.34E-06	1
1	8	112	1	15	ONSITE1	0	0	9901	Diesel	1	5.30E+00	3.69E-05	1
2	10	98	2	1	ONSITE2	0	0	75070	Acetaldehyde	1	1.49E-04	4.98E-08	1
2	10	99	2	2	ONSITE2	0	0	107028	Acrolein	1	6.93E-05	2.31E-08	1
2	10	100	2	3	ONSITE2	0	0	71432	Benzene	1	1.51E-03	5.03E-07	1
2	10	101	2	4	ONSITE2	0	0	106990	1-3,Butadiene	1	2.93E-04	9.78E-08	1
2	10	102	2	5	ONSITE2	0	0	100414	Ethylbenzene	1	6.23E-04	2.08E-07	1
2	10	103	2	6	ONSITE2	0	0	50000	Formaldehyde	1	8.43E-04	2.81E-07	1
2	10	104	2	7	ONSITE2	0	0	110543	Hexane	1	1.67E-03	5.58E-07	1
2	10	105	2	8	ONSITE2	0	0	67561	Methanol	1	6.40E-05	2.13E-08	1
2	10	106	2	9	ONSITE2	0	0	78933	Methyl Ethyl Ketone	1	1.07E-05	3.55E-09	1
2	10	107	2	10	ONSITE2	0	0	91203	Naphthalene	1	2.67E-05	8.89E-09	1
2	10	108	2	11	ONSITE2	0	0	115071	Propylene	1	1.63E-03	5.44E-07	1
2	10	109	2	12	ONSITE2	0	0	100425	Styrene	1	6.40E-05	2.13E-08	1
2	10	110	2	13	ONSITE2	0	0	108883	Toluene	1	3.98E-03	1.33E-06	1
2	10	111	2	14	ONSITE2	0	0	1330207	Xylenes	1	2.87E-03	9.56E-07	1
2	10	112	2	15	ONSITE2	0	0	9901	Diesel	1	9.01E-01	1.51E-05	1
3	12	98	3	1	ONSITE3	0	0	75070	Acetaldehyde	1	5.15E-04	1.72E-07	1
3	12	99	3	2	ONSITE3	0	0	107028	Acrolein	1	2.39E-04	7.97E-08	1
3	12	100	3	3	ONSITE3	0	0	71432	Benzene	1	5.20E-03	1.73E-06	1
3	12	101	3	4	ONSITE3	0	0	106990	1-3,Butadiene	1	1.01E-03	3.37E-07	1
3	12	102	3	5	ONSITE3	0	0	100414	Ethylbenzene	1	2.15E-03	7.16E-07	1
3	12	103	3	6	ONSITE3	0	0	50000	Formaldehyde	1	2.91E-03	9.68E-07	1
3	12	104	3	7	ONSITE3	0	0	110543	Hexane	1	5.77E-03	1.92E-06	1
3	12	105	3	8	ONSITE3	0	0	67561	Methanol	1	2.21E-04	7.36E-08	1
3	12	106	3	9	ONSITE3	0	0	78933	Methyl Ethyl Ketone	1	3.68E-05	1.23E-08	1
3	12	107	3	10	ONSITE3	0	0	91203	Naphthalene	1	9.19E-05	3.06E-08	1
3	12	108	3	11	ONSITE3	0	0	115071	Propylene	1	5.63E-03	1.88E-06	1
3	12	109	3	12	ONSITE3	0	0	100425	Styrene	1	2.21E-04	7.36E-08	1
3	12	110	3	13	ONSITE3	0	0	108883	Toluene	1	1.37E-02	4.57E-06	1
3	12	111	3	14	ONSITE3	0	0	1330207	Xylenes	1	9.89E-03	3.30E-06	1
3	12	112	3	15	ONSITE3	0	0	9901	Diesel	1	3.40E+00	5.20E-05	1
4	14	98	4	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
4	14	99	4	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
4	14	100	4	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
4	14	101	4	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
4	14	102	4	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
4	14	103	4	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
4	14	104	4	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
4	14	105	4	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
4	14	106	4	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
4	14	107	4	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
4	14	108	4	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
4	14	109	4	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
4	14	110	4	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
4	14	111	4	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
4	14	112	4	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
5	16	98	5	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
5	16	99	5	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
5	16	100	5	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
5	16	101	5	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
5	16	102	5	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
5	16	103	5	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
5	16	104	5	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
5	16	105	5	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
5	16	106	5	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
5	16	107	5	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
5	16	108	5	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
5	16	109	5	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
5	16	110	5	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
5	16	111	5	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
5	16	112	5	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
6	18	98	6	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
6	18	99	6	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
6	18	100	6	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
6	18	101	6	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
6	18	102	6	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
6	18	103	6	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
6	18	104	6	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
6	18	105	6	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
6	18	106	6	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
6	18	107	6	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
6	18	108	6	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
6	18	109	6	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
6	18	110	6	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
6	18	111	6	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
6	18	112	6	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
7	20	98	7	1	TRAPAC_O	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
7	20	99	7	2	TRAPAC_O	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
7	20	100	7	3	TRAPAC_O	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
7	20	101	7	4	TRAPAC_O	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
7	20	102	7	5	TRAPAC_O	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
7	20	103	7	6	TRAPAC_O	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
7	20	104	7	7	TRAPAC_O	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
7	20	105	7	8	TRAPAC_O	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
7	20	106	7	9	TRAPAC_O	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
7	20	107	7	10	TRAPAC_O	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
7	20	108	7	11	TRAPAC_O	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
7	20	109	7	12	TRAPAC_O	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
7	20	110	7	13	TRAPAC_O	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
7	20	111	7	14	TRAPAC_O	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
7	20	112	7	15	TRAPAC_O	0	0	9901	Diesel	1	9.66E+00	0.00E+00	1
8	22	98	8	1	TRAPAC_I	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
8	22	99	8	2	TRAPAC_I	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
8	22	100	8	3	TRAPAC_I	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
8	22	101	8	4	TRAPAC_I	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
8	22	102	8	5	TRAPAC_I	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
8	22	103	8	6	TRAPAC_I	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
8	22	104	8	7	TRAPAC_I	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
8	22	105	8	8	TRAPAC_I	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
8	22	106	8	9	TRAPAC_I	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
8	22	107	8	10	TRAPAC_I	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
8	22	108	8	11	TRAPAC_I	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
8	22	109	8	12	TRAPAC_I	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
8	22	110	8	13	TRAPAC_I	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
8	22	111	8	14	TRAPAC_I	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
8	22	112	8	15	TRAPAC_I	0	0	9901	Diesel	1	9.82E+00	0.00E+00	1
9	24	98	9	1	WBCT	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
9	24	99	9	2	WBCT	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
9	24	100	9	3	WBCT	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
9	24	101	9	4	WBCT	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
9	24	102	9	5	WBCT	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
9	24	103	9	6	WBCT	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
9	24	104	9	7	WBCT	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
9	24	105	9	8	WBCT	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
9	24	106	9	9	WBCT	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
9	24	107	9	10	WBCT	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
9	24	108	9	11	WBCT	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
9	24	109	9	12	WBCT	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
9	24	110	9	13	WBCT	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
9	24	111	9	14	WBCT	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
9	24	112	9	15	WBCT	0	0	9901	Diesel	1	2.23E+00	0.00E+00	1
10	26	98	10	1	WBCT_O	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
10	26	99	10	2	WBCT_O	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
10	26	100	10	3	WBCT_O	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
10	26	101	10	4	WBCT_O	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
10	26	102	10	5	WBCT_O	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
10	26	103	10	6	WBCT_O	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
10	26	104	10	7	WBCT_O	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
10	26	105	10	8	WBCT_O	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
10	26	106	10	9	WBCT_O	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
10	26	107	10	10	WBCT_O	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
10	26	108	10	11	WBCT_O	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1

10	26	109	10	12	WBCT_O	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
10	26	110	10	13	WBCT_O	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
10	26	111	10	14	WBCT_O	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
10	26	112	10	15	WBCT_O	0	0	9901	Diesel	1	2.06E+00	0.00E+00	1
11	28	98	11	1	Out1	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
11	28	99	11	2	Out1	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
11	28	100	11	3	Out1	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
11	28	101	11	4	Out1	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
11	28	102	11	5	Out1	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
11	28	103	11	6	Out1	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
11	28	104	11	7	Out1	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
11	28	105	11	8	Out1	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
11	28	106	11	9	Out1	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
11	28	107	11	10	Out1	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
11	28	108	11	11	Out1	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
11	28	109	11	12	Out1	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
11	28	110	11	13	Out1	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
11	28	111	11	14	Out1	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
11	28	112	11	15	Out1	0	0	9901	Diesel	1	1.06E+01	0.00E+00	1
12	30	98	12	1	OUT2	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
12	30	99	12	2	OUT2	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
12	30	100	12	3	OUT2	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
12	30	101	12	4	OUT2	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
12	30	102	12	5	OUT2	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
12	30	103	12	6	OUT2	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
12	30	104	12	7	OUT2	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
12	30	105	12	8	OUT2	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
12	30	106	12	9	OUT2	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
12	30	107	12	10	OUT2	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
12	30	108	12	11	OUT2	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
12	30	109	12	12	OUT2	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
12	30	110	12	13	OUT2	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
12	30	111	12	14	OUT2	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
12	30	112	12	15	OUT2	0	0	9901	Diesel	1	1.55E+01	0.00E+00	1
Idle	8	98	13	1	Idle	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	8	99	13	2	Idle	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
Idle	8	100	13	3	Idle	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
Idle	8	101	13	4	Idle	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	8	102	13	5	Idle	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	8	103	13	6	Idle	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	8	104	13	7	Idle	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
Idle	8	105	13	8	Idle	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
Idle	8	106	13	9	Idle	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	8	107	13	10	Idle	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
Idle	8	108	13	11	Idle	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
Idle	8	109	13	12	Idle	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
Idle	8	110	13	13	Idle	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
Idle	8	111	13	14	Idle	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
Idle	8	37	13	15	Idle	0	0	9901	Diesel	1	2.22E-01	2.22E-01	1
Idle	9	98	14	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	9	99	14	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
Idle	9	100	14	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
Idle	9	101	14	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	9	102	14	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	9	103	14	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	9	104	14	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
Idle	9	105	14	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
Idle	9	106	14	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	9	107	14	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
Idle	9	108	14	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
Idle	9	109	14	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
Idle	9	110	14	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
Idle	9	111	14	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
Idle	9	37	14	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
Idle	10	98	15	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	10	99	15	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
Idle	10	100	15	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
Idle	10	101	15	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	10	102	15	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	10	103	15	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	10	104	15	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
Idle	10	105	15	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
Idle	10	106	15	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	10	107	15	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
Idle	10	108	15	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
Idle	10	109	15	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
Idle	10	110	15	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
Idle	10	111	15	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
Idle	10	37	15	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
Idle	11	98	16	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	11	99	16	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
Idle	11	100	16	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
Idle	11	101	16	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	11	102	16	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	11	103	16	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	11	104	16	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
Idle	11	105	16	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
Idle	11	106	16	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	11	107	16	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
Idle	11	108	16	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
Idle	11	109	16	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
Idle	11	110	16	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
Idle	11	111	16	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
Idle	11	37	16	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
Idle	12	98	17	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	12	99	17	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
Idle	12	100	17	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
Idle	12	101	17	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	12	102	17	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	12	103	17	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	12	104	17	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
Idle	12	105	17	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
Idle	12	106	17	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	12	107	17	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
Idle	12	108	17	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
Idle	12	109	17	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
Idle	12	110	17	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
Idle	12	111	17	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
Idle	12	37	17	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
Idle	13	98	18	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	13	99	18	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
Idle	13	100	18	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
Idle	13	101	18	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	13	102	18	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	13	103	18	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	13	104	18	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
Idle	13	105	18	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
Idle	13	106	18	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	13	107	18	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
Idle	13	108	18	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
Idle	13	109	18	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
Idle	13	110	18	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
Idle	13	111	18	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
Idle	13	37	18	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
TRU	7	98	19	1	TRU	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
TRU	7	99	19	2	TRU	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
TRU	7	100	19	3	TRU	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
TRU	7	101	19	4	TRU	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
TRU	7	102	19	5	TRU	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
TRU	7	103	19	6	TRU	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
TRU	7	104	19	7	TRU	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
TRU	7	105	19	8	TRU	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
TRU	7	106	19	9	TRU	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
TRU	7	107	19	10	TRU	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
TRU	7	108	19	11	TRU	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
TRU	7	109	19	12	TRU	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
TRU	7	110	19	13	TRU	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
TRU	7	111	19	14	TRU	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
TRU	7	47	19	15	TRU	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1

ONSITE1	0	0	75070	Acetaldehyde	1	3.66E-04	1.22E-07	1
ONSITE1	0	0	107028	Acrolein	1	1.70E-04	5.66E-08	1
ONSITE1	0	0	71432	Benzene	1	3.69E-03	1.23E-06	1
ONSITE1	0	0	106990	1-3,Butadiene	1	7.18E-04	2.39E-07	1
ONSITE1	0	0	100414	Ethylbenzene	1	1.52E-03	5.08E-07	1
ONSITE1	0	0	50000	Formaldehyde	1	2.06E-03	6.88E-07	1
ONSITE1	0	0	110543	Hexane	1	4.10E-03	1.37E-06	1
ONSITE1	0	0	67561	Methanol	1	1.57E-04	5.22E-08	1
ONSITE1	0	0	78933	Methyl Ethyl Ketone	1	2.61E-05	8.70E-09	1
ONSITE1	0	0	91203	Naphthalene	1	6.53E-05	2.18E-08	1
ONSITE1	0	0	115071	Propylene	1	3.99E-03	1.33E-06	1
ONSITE1	0	0	100425	Styrene	1	1.57E-04	5.22E-08	1
ONSITE1	0	0	108883	Toluene	1	9.74E-03	3.25E-06	1
ONSITE1	0	0	1330207	Xylenes	1	7.02E-03	2.34E-06	1
ONSITE1	0	0	9901	Diesel	1	5.30E+00	3.69E-05	1
ONSITE2	0	0	75070	Acetaldehyde	1	1.49E-04	4.98E-08	1
ONSITE2	0	0	107028	Acrolein	1	6.93E-05	2.31E-08	1
ONSITE2	0	0	71432	Benzene	1	1.51E-03	5.03E-07	1
ONSITE2	0	0	106990	1-3,Butadiene	1	2.93E-04	9.78E-08	1
ONSITE2	0	0	100414	Ethylbenzene	1	6.23E-04	2.08E-07	1
ONSITE2	0	0	50000	Formaldehyde	1	8.43E-04	2.81E-07	1
ONSITE2	0	0	110543	Hexane	1	1.67E-03	5.58E-07	1
ONSITE2	0	0	67561	Methanol	1	6.40E-05	2.13E-08	1
ONSITE2	0	0	78933	Methyl Ethyl Ketone	1	1.07E-05	3.55E-09	1
ONSITE2	0	0	91203	Naphthalene	1	2.67E-05	8.89E-09	1
ONSITE2	0	0	115071	Propylene	1	1.63E-03	5.44E-07	1
ONSITE2	0	0	100425	Styrene	1	6.40E-05	2.13E-08	1
ONSITE2	0	0	108883	Toluene	1	3.98E-03	1.33E-06	1
ONSITE2	0	0	1330207	Xylenes	1	2.87E-03	9.56E-07	1
ONSITE2	0	0	9901	Diesel	1	9.01E-01	1.51E-05	1
ONSITE3	0	0	75070	Acetaldehyde	1	5.15E-04	1.72E-07	1
ONSITE3	0	0	107028	Acrolein	1	2.39E-04	7.97E-08	1
ONSITE3	0	0	71432	Benzene	1	5.20E-03	1.73E-06	1
ONSITE3	0	0	106990	1-3,Butadiene	1	1.01E-03	3.37E-07	1
ONSITE3	0	0	100414	Ethylbenzene	1	2.15E-03	7.16E-07	1
ONSITE3	0	0	50000	Formaldehyde	1	2.91E-03	9.68E-07	1
ONSITE3	0	0	110543	Hexane	1	5.77E-03	1.92E-06	1
ONSITE3	0	0	67561	Methanol	1	2.21E-04	7.36E-08	1
ONSITE3	0	0	78933	Methyl Ethyl Ketone	1	3.68E-05	1.23E-08	1
ONSITE3	0	0	91203	Naphthalene	1	9.19E-05	3.06E-08	1
ONSITE3	0	0	115071	Propylene	1	5.63E-03	1.88E-06	1
ONSITE3	0	0	100425	Styrene	1	2.21E-04	7.36E-08	1
ONSITE3	0	0	108883	Toluene	1	1.37E-02	4.57E-06	1
ONSITE3	0	0	1330207	Xylenes	1	9.89E-03	3.30E-06	1
ONSITE3	0	0	9901	Diesel	1	3.40E+00	5.20E-05	1
0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1

0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
TRAPAC_O	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
TRAPAC_O	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
TRAPAC_O	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1

TRAPAC_O	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
TRAPAC_O	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
TRAPAC_O	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
TRAPAC_O	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
TRAPAC_O	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
TRAPAC_O	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
TRAPAC_O	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
TRAPAC_O	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
TRAPAC_O	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
TRAPAC_O	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
TRAPAC_O	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
TRAPAC_O	0	0	9901	Diesel	1	9.66E+00	0.00E+00	1
TRAPAC_I	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
TRAPAC_I	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
TRAPAC_I	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
TRAPAC_I	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
TRAPAC_I	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
TRAPAC_I	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
TRAPAC_I	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
TRAPAC_I	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
TRAPAC_I	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
TRAPAC_I	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
TRAPAC_I	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
TRAPAC_I	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
TRAPAC_I	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
TRAPAC_I	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
TRAPAC_I	0	0	9901	Diesel	1	9.82E+00	0.00E+00	1
WBCT	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
WBCT	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
WBCT	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
WBCT	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
WBCT	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
WBCT	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
WBCT	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
WBCT	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
WBCT	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
WBCT	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
WBCT	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
WBCT	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
WBCT	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
WBCT	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
WBCT	0	0	9901	Diesel	1	2.23E+00	0.00E+00	1
WBCT_O	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
WBCT_O	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
WBCT_O	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
WBCT_O	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
WBCT_O	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1

WBCT_O	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
WBCT_O	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
WBCT_O	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
WBCT_O	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
WBCT_O	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
WBCT_O	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
WBCT_O	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
WBCT_O	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
WBCT_O	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
WBCT_O	0	0	9901	Diesel	1	2.06E+00	0.00E+00	1
Out1	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
Out1	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
Out1	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
Out1	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
Out1	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
Out1	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
Out1	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
Out1	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
Out1	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Out1	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
Out1	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
Out1	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
Out1	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
Out1	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
Out1	0	0	9901	Diesel	1	1.06E+01	0.00E+00	1
OUT2	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
OUT2	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
OUT2	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
OUT2	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
OUT2	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
OUT2	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
OUT2	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
OUT2	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
OUT2	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
OUT2	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
OUT2	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
OUT2	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
OUT2	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
OUT2	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
OUT2	0	0	9901	Diesel	1	1.55E+01	0.00E+00	1
Idle	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
Idle	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
Idle	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1

Idle		0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
Idle		0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle		0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
Idle		0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
Idle		0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
Idle		0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
Idle		0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
Idle		0	0	9901	Diesel	1	2.22E-01	2.22E-01	1
	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1

	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
TRU		0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
TRU		0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
TRU		0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
TRU		0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
TRU		0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
TRU		0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
TRU		0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
TRU		0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
TRU		0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
TRU		0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
TRU		0	0	115071	Propylene	1	0.00E+00	0.00E+00	1

TRU	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
TRU	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
TRU	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
TRU	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	PM2.5_RUNEX	PM10_RUNEX
Los Angeles (SC)	2024	HHDT	Aggregate	5	Diesel	0.014939124	0.015614605
Los Angeles (SC)	2024	HHDT	Aggregate	10	Diesel	0.012995013	0.01358259
Los Angeles (SC)	2024	HHDT	Aggregate	15	Diesel	0.009909984	0.01035807
					Average	0.012614707	0.013185088
Los Angeles (SC)	2024	LDT1	Aggregate	5	Diesel	0.974538998	1.018603327
Los Angeles (SC)	2024	LDT1	Aggregate	10	Diesel	0.678443071	0.709119256
Los Angeles (SC)	2024	LDT1	Aggregate	15	Diesel	0.494245507	0.516593096
Los Angeles (SC)	2024	LDT2	Aggregate	5	Diesel	0.014404289	0.015055587
Los Angeles (SC)	2024	LDT2	Aggregate	10	Diesel	0.012031993	0.012576026
Los Angeles (SC)	2024	LDT2	Aggregate	15	Diesel	0.009875409	0.010321931
					Average	0.363923211	0.380378204
Los Angeles (SC)	2024	MHDT	Aggregate	5	Diesel	0.047595753	0.049747822
Los Angeles (SC)	2024	MHDT	Aggregate	10	Diesel	0.038589191	0.040334023
Los Angeles (SC)	2024	MHDT	Aggregate	15	Diesel	0.024948391	0.026076447
					Average	0.037044445	0.03871943

Source: EMFAC2021 (v1.0.2) Emission Rates
Region Type: Sub-Area
Region: Los Angeles (SC)
Calendar Year: 2024
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, g/mile for RUNEX, PMBW and PMTW, mph for Speed, kWh/mile for Energy Consumption, gallon/mile for Fuel Consumption. PHEV calculated based on total VMT.

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Total VM	CVMT	EVMT	NOx_RUNEX	PM2.5_RUNEX	PM10_RUNEX	CO2_RUNEX	CH4_RUNEX	N2O_RUNEX	ROG_RUNEX	TOG_RUNEX	CO_RUNEX	SOx_RUNEX	NH3_RUNE	PM10_PME	PM2.5_PM	Fuel Consu	Energy Consumption
Los Angeles (SC)	2024	HHDT	Aggregate	5	Diesel	465.7	465.7289802	0	11.25395018	0.014939124	0.015614605	3255.805806	0.006247682	0.512953531	0.134510882	0.1531304	1.172111903	0.030830534	0.213983	0.139005	0.048652	0.320596	0
Los Angeles (SC)	2024	HHDT	Aggregate	10	Diesel	8542	8541.783812	0	8.288322525	0.012995013	0.01358259	2805.233559	0.003785776	0.44196569	0.081506719	0.092789196	0.732634172	0.026563884	0.2134	0.139204	0.048721	0.276229	0
Los Angeles (SC)	2024	HHDT	Aggregate	15	Diesel	26318	26318.28393	0	5.485129761	0.009909984	0.01035807	2295.197631	0.001906975	0.361609322	0.041056657	0.046739879	0.407776566	0.021734149	0.213908	0.13723	0.04803	0.226006	0
Los Angeles (SC)	2024	LDA	Aggregate	5	Diesel	355	355.0128072	0	0.278318193	0.097499549	0.101908046	608.7616504	0.01454034	0.095910646	0.313044958	0.356380873	4.39602088	0.005768326	0.0031	0.006062	0.002122	0.059944	0
Los Angeles (SC)	2024	LDA	Aggregate	10	Diesel	2048	2048.205148	0	0.265467859	0.069788441	0.072943965	507.1559165	0.010587852	0.079902621	0.227950215	0.259506165	3.268186752	0.00480556	0.0031	0.007497	0.002624	0.049939	0
Los Angeles (SC)	2024	LDA	Aggregate	15	Diesel	4449	4449.174627	0	0.239290863	0.051900094	0.054246786	417.1342982	0.006116466	0.065719679	0.131683902	0.149913367	1.704725414	0.003952559	0.0031	0.008923	0.003123	0.041075	0
Los Angeles (SC)	2024	LDT1	Aggregate	5	Diesel	3.272	3.272281085	0	1.077544282	0.974538998	1.018603327	1044.487464	0.058257642	0.164559425	1.254252737	1.427883353	4.928411351	0.00989705	0.0031	0.009739	0.003409	0.10285	0
Los Angeles (SC)	2024	LDT1	Aggregate	10	Diesel	18.88	18.87904557	0	1.134367171	0.678443071	0.709119256	879.214584	0.04056511	0.138520616	0.873342943	0.994242877	3.501587572	0.008331005	0.0031	0.012117	0.004241	0.086575	0
Los Angeles (SC)	2024	LDT1	Aggregate	15	Diesel	41.01	41.0096472	0	1.19110264	0.494245507	0.516593096	729.0137922	0.029517786	0.11485642	0.635500561	0.723475138	2.613066864	0.006907776	0.0031	0.014508	0.005078	0.071785	0
Los Angeles (SC)	2024	LDT2	Aggregate	5	Diesel	296.8	296.7956552	0	0.160121457	0.014404289	0.015055587	764.413751	0.012251068	0.120433698	0.263758275	0.30027126	2.499166016	0.007243209	0.0031	0.007966	0.002788	0.075271	0
Los Angeles (SC)	2024	LDT2	Aggregate	10	Diesel	1712	1712.328053	0	0.136048011	0.012031993	0.012576026	643.4579078	0.009150787	0.101377055	0.197011065	0.224283999	1.869266856	0.006097091	0.0031	0.009911	0.003469	0.063361	0
Los Angeles (SC)	2024	LDT2	Aggregate	15	Diesel	3720	3719.572004	0	0.096245704	0.009875409	0.010321931	533.5326528	0.004532805	0.084058287	0.097588616	0.111098151	0.920388152	0.005055493	0.0031	0.011865	0.004153	0.052536	0
Los Angeles (SC)	2024	LHDT1	Aggregate	5	Diesel	402.4	402.3518305	0	1.583328753	0.066757459	0.069775935	1157.92269	0.014833927	0.182431191	0.319365718	0.363576637	0.973802547	0.010971906	0.18405	0.078	0.0273	0.114019	0
Los Angeles (SC)	2024	LHDT1	Aggregate	10	Diesel	5376	5376.469106	0	1.455252826	0.054858173	0.057338616	1005.841617	0.012359203	0.158470756	0.266086363	0.302921633	0.781252703	0.00953086	0.18405	0.078	0.0273	0.099044	0
Los Angeles (SC)	2024	LHDT1	Aggregate	15	Diesel	16408	16407.56411	0	1.342301293	0.045340324	0.047390412	856.7456303	0.010401021	0.134980623	0.223927853	0.254926972	0.629724016	0.0081181	0.18405	0.078	0.0273	0.084363	0
Los Angeles (SC)	2024	LHDT2	Aggregate	5	Diesel	178.1	178.1388439	0	1.553384989	0.065731959	0.068704066	1365.825596	0.014487444	0.215186379	0.311906133	0.355084396	0.937364401	0.012941892	0.188078	0.091	0.03185	0.134491	0
Los Angeles (SC)	2024	LHDT2	Aggregate	10	Diesel	2380	2380.399238	0	1.406675145	0.054347109	0.056804444	1190.959824	0.012236775	0.187636205	0.263450552	0.299920938	0.759063003	0.01128495	0.188078	0.091	0.03185	0.117273	0
Los Angeles (SC)	2024	LHDT2	Aggregate	15	Diesel	7264	7264.349957	0	1.276738635	0.045143407	0.047184592	1020.576085	0.010412212	0.160792178	0.224168797	0.255201272	0.615163422	0.009670477	0.188078	0.091	0.03185	0.100495	0
Los Angeles (SC)	2024	MHDT	Aggregate	5	Diesel	1499	1499.27774	0	3.841147759	0.047595753	0.049747822	2416.322711	0.011238106	0.380692627	0.24195335	0.275445471	0.55369546	0.022881131	0.211601	0.061496	0.021524	0.237933	0
Los Angeles (SC)	2024	MHDT	Aggregate	10	Diesel	11786	11785.78996	0	2.94579839	0.038589191	0.040334023	2003.960845	0.007840741	0.315724847	0.168808994	0.19217619	0.398319252	0.018976311	0.211886	0.061496	0.021524	0.197328	0
Los Angeles (SC)	2024	MHDT	Aggregate	15	Diesel	32582	32581.51367	0	2.060661386	0.024948391	0.026076447	1577.940105	0.00399212	0.248605106	0.085949246	0.097846674	0.256935862	0.014942149	0.211725	0.061496	0.021524	0.155378	0

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	Total VMT	CVMT	Diesel %	Trips	PM2.5_RUNEX	PM10_RUNEX	TOG_RUNEX	TOG_RUNLOSS
Los Angeles (SC)	2024	LDA	Aggregate	Aggregate	Gasoline	3312060.357	130838318.3	130838318.3	0%	15395682	0.001409274	0.001532714	0.016087045	0.232519268
Los Angeles (SC)	2024	LDA	Aggregate	Aggregate	Diesel	8789.19002	256968.192	256968.192	54%	36035.14021	0.027232345	0.028463671	0.05048885	0
							131095286.5	63.2%						
Los Angeles (SC)	2024	LDT1	Aggregate	Aggregate	Gasoline	311828.9204	11357946.66	11357946.66	0%	1373845.457	0.002400438	0.002610633	0.065597378	0.568346644
Los Angeles (SC)	2024	LDT1	Aggregate	Aggregate	Diesel	118.5293676	2368.568506	2368.568506	0.5%	338.8223403	0.255353288	0.266899231	0.373219747	0
Los Angeles (SC)	2024	LDT2	Aggregate	Aggregate	Gasoline	1566130.15	64695889.13	64695889.13	0%	7373137.581	0.001455802	0.001583312	0.021688653	0.217773676
Los Angeles (SC)	2024	LDT2	Aggregate	Aggregate	Diesel	4948.489318	214828.9903	214828.9903	45%	23893.23295	0.00554025	0.005790756	0.021369972	0
							76271033.34	36.8%	474166			Gasoline Avg EF	0.034457692	0.339546529
								Diesel Wt EF	0.019382356					

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	Total VMT	CVMT	Trips	PM2.5_RUNEX	PM2.5_IDLEX	PM10_RUNEX	PM10_IDLEX
Los Angeles (SC)	2024	HHDT	Aggregate	Aggregate	Diesel	52323.86623	6605322.598	6605322.598	812033.7494	0.023363307	0.034745169	0.024419693	0.036316191
Los Angeles (SC)	2024	MHDT	Aggregate	Aggregate	Diesel	59315.44342	2506987.886	2506987.886	726825.573	0.011967208	0.025685544	0.012508312	0.02684693
Los Angeles (SC)	2024	LHDT1	Aggregate	Aggregate	Diesel	55652.48261	2469363.403	2469363.403	700038.2204	0.019705668	0.026670418	0.020596671	0.027876336
Los Angeles (SC)	2024	LHDT2	Aggregate	Aggregate	Diesel	25083.1257	1093295.739	1093295.739	315514.1668	0.019703023	0.026901049	0.020593906	0.028117395
									Average	0.019704345	0.026785734	0.020595288	0.027996866

Source: EMFAC2021 (v1.0.2) Emission Rates
Region Type: Sub-Area
Region: Los Angeles (SC)
Calendar Year: 2024
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HOTSOAK and RUNLOSS, g/vehicle/day for IDLEX and DIURN. PHEV calculated based on total VMT.

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	Total VMT	CVMT	EVMT	Trips	NOx_RUNEX	NOx_IDLEX	NOx_STREX	PM2.5_RUNEX	PM2.5_IDLEX	PM2.5_STREX	PM2.5_PMTW	PM2.5_PMBW	PM10_RUNEX	PM10_IDLEX	PM10_STREX	PM10_PMTW	PM10_PMBW	CO2_RUNEX	CO2_IDLEX	CO2_STREX	CH4_RUNEX	CH4_IDLEX	CH4_STREX	N2O_RUNEX	N2O_IDLEX	N2O_STREX	ROG_RUNEX	ROG_IDLEX	ROG_STREX	ROG_HOTSOAK	ROG_RUNLOSS	ROG_DIURN	TOG_RUNEX	TOG_IDLEX	TOG_STREX	TOG_HOTSOAK	TOG_RUNLOSS	TOG_DIURN	NH3_RUNEX	CO_RUNEX	CO_IDLEX	CO_STREX	SOx_RUNEX	SOx_IDLEX	SOx_STREX
Los Angeles	2024	HHDT	Aggregate	Aggregate	Gasoline	43.66381395	2950.780026	2950.780026	0	873.6255896	6.842669037	0	0.747841439	0.001537229	0	0.005215146	0.005000001	0.033622979	0.001671877	0	0.001321583	0.020000006	0.096065654	2108.326566	0	54.87893792	0.151589315	0	9.032564E-05	0.197297012	0	0.021337888	0.839369175	0	0.000466956	0.100178932	0.850532717	7.382125351	0.244117122	43.23088108	0	4.536578849	0.020842955	0	0.000542534
Los Angeles	2024	HHDT	Aggregate	Aggregate	Diesel	52121.86623	6605322.598	6605322.598	0	812033.7494	1.82932672	65.56708439	2.79749826	0.023363307	0.034745169	0	0.008854226	0.028309298	0.034419693	0.036316191	0	0.035416904	0.080883709	1582.523614	12592.09655	0	0.00062934	0.244381455	0	0.24932724	1.98388994	0	0.015349516	5.347584621	0	0	0	0	0.015425093	6.087818026	0	0	0	0	0.215395972	0.080050322	77.82393673	0	0.014985552	0.519239624	0
Los Angeles	2024	LDA	Aggregate	Aggregate	Gasoline	3312060.357	130383318.3	130383318.3	0	15395682	0.043376646	0	0.245024878	0.001409274	0	0.001958233	0.002000001	0.003072073	0.001532714	0	0.002129757	0.008000002	0.008777352	288.5173203	0	69.50443652	0.002875897	0	0.068341334	0.004795571	0	0.032147562	0.011024583	0	0.309736079	0.093279314	0.232519268	1.495183855	0.034836179	0.822369506	0	0.308235869	0.002852287	0	0.000687083
Los Angeles	2024	LDA	Aggregate	Aggregate	Diesel	8789.19002	256968.192	256968.192	0	36035.14021	0.242195383	0	0	0.027232345	0	0	0.002000001	0.003129371	0.028463671	0	0	0.008000002	0.00894106	253.350373	0	0	0.002059945	0	0	0.039915454	0	0	0.044349406	0	0	0	0	0	0.05048885	0	0	0	0	0	0.0001	0.462516381	0	0	0.003409024	0	0
Los Angeles	2024	LDT1	Aggregate	Aggregate	Gasoline	313828.9204	11357946.66	11357946.66	0	1373845.457	0.179338234	0	0.412863435	0.002400438	0	0.002976682	0.002000001	0.00379381	0.002610633	0	0.003237328	0.008000002	0.010839458	344.78615	0	87.30720994	0.010014054	0	0.112711378	0.012293599	0	0.039724525	0.044959899	0	0.586288633	0.198980153	0.568346644	3.293667457	0.037941382	1.975701728	0	5.625230098	0.003408562	0	0.008863121
Los Angeles	2024	LDT1	Aggregate	Aggregate	Diesel	118.5293676	2368.568506	2368.568506	0	338.8223403	1.513777273	0	0	0.253332288	0	0	0.002000001	0.004345134	0.266899231	0	0	0.008000002	0.012414668	441.2210424	0	0	0.015327366	0	0	0.069514712	0	0	0.327836226	0	0	0	0	0	0.373219747	0	0	0	0	0	0.0001	1.78778574	0	0	0.004180803	0	0
Los Angeles	2024	LDT2	Aggregate	Aggregate	Gasoline	1566130.15	64695889.13	64695889.13	0	7373137.581	0.076968345	0	0.318586479	0.001455802	0	0.001955607	0.002000001	0.003618674	0.001583312	0	0.002126892	0.008000002	0.010339067	352.6602331	0	85.78279713	0.003745168	0	0.078678704	0.006425761	0	0.036126095	0.014864068	0	0.360757309	0.081922024	0.217773676	1.421292474	0.037253445	0.963685583	0	3.414303753	0.003486405	0	0.000848O5
Los Angeles	2024	LDT2	Aggregate	Aggregate	Diesel	4948.489318	214828.9903	214828.9903	0	23893.23295	0.049173656	0	0	0.00544025	0	0	0.002000001	0.003555382	0.005790756	0	0	0.008000002	0.010153773	322.9107176	0	0	0.000871895	0	0	0.050874715	0	0	0.018771384	0	0	0	0	0	0.023369972	0	0	0	0	0	0.0031	0.174770034	0	0	0.003059743	0	0
Los Angeles	2024	LHDT1	Aggregate	Aggregate	Gasoline	123836.5088	4934814.469	4934814.469	0	1844980.806	0.1642974	0.035671305	0.611543962	0.00110321	0	0.000318651	0.002000001	0.027300008	0.003199842	0	0.004046562	0.008000002	0.078000022	623.8983099	118.6149099	25.83885527	0.005774154	0.11374487	0.032301809	0.009197333	0.003016107	0.050530206	0.018970733	0.408557318	0.156805463	0.048837635	0.268263663	2.879850177	0.044869583	1.083441253	3.75247749	0.009228745	0.00616787	0.001172629	0.000255443
Los Angeles	2024	LHDT1	Aggregate	Aggregate	Diesel	55652.48261	2469363.403	2469363.403	0	700038.2204	1.134866442	1.762649537	0	0.019705668	0.026670418	0	0.003000001	0.027300008	0.020596671	0.027876336	0	0.012000003	0.078000022	494.0490582	128.7381827	0	0.004164215	0.005098128	0	0.07783763	0.032082753	0	0.090083681	0.109759705	0	0	0	0	0.102554282	0.124954127	0	0	0	0	0.184049899	0.241133422	0.909745076	0	0.004681366	0.001121986	0
Los Angeles	2024	LHDT2	Aggregate	Aggregate	Gasoline	18962.98073	709989.1461	709989.1461	0	282520.1581	0.164039458	0.035835639	0.62731426	0.000982387	0	0.000250669	0.002000001	0.031850009	0.002068436	0	0.000278499	0.008000002	0.091000026	715.7546885	137.987751	25.48298447	0.004047948	0.113583977	0.032785139	0.009921538	0.002692341	0.049871299	0.018848378	0.410762756	0.159381077	0.048455025	0.259982085	2.909742351	0.044972044	0.814499151	3.759576139	0.010708263	0.007075964	0.001364149	0.000251925
Los Angeles	2024	LHDT2	Aggregate	Aggregate	Diesel	25083.1257	1093295.739	1093295.739	0	315514.1668	1.003571039	1.742695367	0	0.019703023	0.026901049	0	0.003000001	0.031850009	0.020593906	0.028117395	0	0.012000003	0.091000026	584.6500571	206.2579011	0	0.004160969	0.005098128	0	0.092111996	0.032496016	0	0.089583204	0.109759705	0	0	0	0	0.103984522	0.124954127	0	0	0	0	0.188077663	0.219090418	0.909745076	0	0.005539865	0.001954398	0
Los Angeles	2024	MHDT	Aggregate	Aggregate	Gasoline	14716.96009	800329.4685	800329.4685	0	294456.9375	0.429959946	0.089301405	0.425440952	0.000945948	0	0.000473195	0.003000001	0.015243957	0.002028805	0	0.000514643	0.012000003	0.043554163	1642.354514	543.1111256	45.91791299	0.011770625	0.261297567	0.046842307	0.021074469	0.007569138	0.032907394	0.01746284	1.003383479	0.253211851	0.034977413	0.27194835	2.91498659	0.038484642	1.464134818	0.277235104	0.034977413	0.27194835	2.91498659	0.044973113	1.483701348	14.36425579	5.339615126	0.010236344	0.005369206	0.000453945
Los Angeles	2024	MHDT	Aggregate	Aggregate	Diesel	59315.44342	2506987.886	2506987.886	0	726825.573	1.059677183	13.05606355	1.620509927	0.011967208	0.025685544	0	0.003000001	0.015273321	0.012508312	0.02684693	0	0.012000003	0.044638061	1088.634141	2223.082956	0	0.000983021	0.010892155	0	0.117514752	0.350247625	0	0.021164175	0.234505108	0	0	0	0	0.024093803	0.266966215	0	0	0	0	0.210417664	0.088738317	7.385876938	0	0.010308714	0.021051266	0

					Modeled Radius	Total Population	Cancer Threshold	Total Excess Cancer Burden
Census data collected from HARP2 Census DB					**2500m**	**21,972**	**0.5 E-6**	**0.025035124**
X	Y	tractbna	blkgrp	zip	cntyname	Pop_Sum	CancerBurden	Cancer Burden by Block Grp
379042.6	3736708.6	295103	1	90732	Los Angeles CA	301	5.1348E-07	0.000154557
379056.1	3736091.9	670701	1	90275	Los Angeles CA	127	5.4193E-07	6.88251E-05
379068.6	3736557.9	295103	1	90732	Los Angeles CA	344	5.2008E-07	0.000178908
379127.8	3736217.8	670701	1	90275	Los Angeles CA	85	5.7643E-07	4.89966E-05
379187.4	3736429.8	295103	1	90732	Los Angeles CA	134	5.8087E-07	7.78366E-05
379223.3	3735986.2	296300	2	90732	Los Angeles CA	104	6.4518E-07	6.70987E-05
379226.1	3736932.2	295103	1	90732	Los Angeles CA	78	5.5064E-07	4.29499E-05
379270	3736779.6	295103	1	90732	Los Angeles CA	154	0.000000599	0.000092246
379299.3	3736204.2	670701	1	90275	Los Angeles CA	228	6.966E-07	0.000158825
379317.3	3736578.8	295103	1	90732	Los Angeles CA	88	6.4206E-07	5.65013E-05
379331.5	3735947.2	296300	2	90732	Los Angeles CA	330	7.2723E-07	0.000239986
379340.3	3736428.7	295103	1	90732	Los Angeles CA	110	6.7052E-07	7.37572E-05
379343.2	3735927.9	296300	2	90732	Los Angeles CA	26	7.385E-07	0.000019201
379343.9	3736876.6	295103	1	90731	Los Angeles CA	84	6.1784E-07	5.18986E-05
379399.5	3735893	296300	2	90732	Los Angeles CA	135	7.8477E-07	0.000105944
379404.1	3736296	670701	1	90275	Los Angeles CA	87	7.5348E-07	6.55528E-05
379447.4	3736464.6	295103	1	90731	Los Angeles CA	151	7.5214E-07	0.000113573
379464.4	3735801.3	296300	1	90732	Los Angeles CA	126	7.4579E-07	9.39695E-05
379505.5	3736890	295103	2	90731	Los Angeles CA	106	7.0288E-07	7.45053E-05
379514.8	3736818.6	295103	2	90731	Los Angeles CA	52	7.2788E-07	3.78498E-05
379516.7	3736386.7	295103	2	90731	Los Angeles CA	141	8.363E-07	0.000117918
379526.8	3736740.3	295103	2	90731	Los Angeles CA	94	7.5729E-07	7.11853E-05
379536.2	3736967	295103	2	90731	Los Angeles CA	57	7.0205E-07	4.00169E-05
379539.8	3737157	980015	1	90732	Los Angeles CA	10	6.3316E-07	6.3316E-06
379540.6	3735176.9	296402	2	90732	Los Angeles CA	53	5.2505E-07	2.78277E-05
379554.3	3735485.1	296300	1	90731	Los Angeles CA	34	7.4208E-07	2.52307E-05
379558.2	3735664.1	296300	2	90732	Los Angeles CA	123	7.6361E-07	9.3924E-05
379580.2	3736643.3	295103	2	90731	Los Angeles CA	58	8.2366E-07	4.77723E-05
379588.7	3735071.9	296402	2	90732	Los Angeles CA	73	5.0208E-07	3.66518E-05
379591.7	3735861.3	296300	2	90732	Los Angeles CA	25	9.3521E-07	2.33803E-05
379599.3	3736396.3	295103	2	90731	Los Angeles CA	134	9.0492E-07	0.000121259
379663.7	3735435.9	296300	1	90731	Los Angeles CA	100	8.3258E-07	0.000083258
379682.9	3736404.9	295103	2	90731	Los Angeles CA	134	9.9946E-07	0.000133928
379697.6	3735275.9	296402	2	90731	Los Angeles CA	115	7.1265E-07	8.19548E-05
379746.8	3736172.9	295103	2	90731	Los Angeles CA	150	1.1323E-06	0.000169845
379770.1	3735900.1	296300	2	90731	Los Angeles CA	571	1.1781E-06	0.000672695
379795.1	3734974.7	296500	2	90731	Los Angeles CA	126	5.5607E-07	7.00648E-05
379796.6	3735063.8	296500	3	90731	Los Angeles CA	101	6.024E-07	6.08424E-05
379798	3735152.1	296500	3	90731	Los Angeles CA	151	6.7474E-07	0.000101886
379801.5	3735665.7	296300	2	90731	Los Angeles CA	57	1.0781E-06	6.14517E-05
379805.7	3736849	295103	2	90731	Los Angeles CA	49	9.5526E-07	4.68077E-05
379813	3736116.2	295103	2	90731	Los Angeles CA	126	1.2479E-06	0.000157235
379825.9	3736722.3	295103	2	90731	Los Angeles CA	63	1.0455E-06	6.58665E-05
379871	3736444.2	295103	2	90731	Los Angeles CA	108	0.000001258	0.000135864
379876	3735445	296300	1	90731	Los Angeles CA	4	1.0906E-06	4.3624E-06
379886.3	3736363.1	295103	2	90731	Los Angeles CA	107	1.3185E-06	0.00014108
379900.8	3736281.6	295103	2	90731	Los Angeles CA	104	1.3799E-06	0.00014351
379911.8	3736037.4	296300	1	90731	Los Angeles CA	3	1.4668E-06	4.4004E-06
379947.8	3735334.1	296500	3	90731	Los Angeles CA	50	9.6924E-07	0.000048462
379959	3735559.8	296300	1	90731	Los Angeles CA	33	1.3712E-06	4.52496E-05
379961	3735702.6	296300	1	90731	Los Angeles CA	91	1.3777E-06	0.000125371
379978.1	3734876.9	296500	2	90731	Los Angeles CA	87	6.7487E-07	5.87137E-05
379983.8	3734971.5	296500	2	90731	Los Angeles CA	113	7.1821E-07	8.11577E-05
379994	3734650.7	296500	2	90731	Los Angeles CA	201	5.6523E-07	0.000113611

379994.1	3735062.4	296500	3	90731	Los Angeles CA	91	7.765E-07	7.06615E-05
379995.3	3734734.9	296500	2	90731	Los Angeles CA	183	6.2211E-07	0.000113846
380001.5	3734800.7	296500	2	90731	Los Angeles CA	49	6.4091E-07	3.14046E-05
380012.8	3735156.1	296500	3	90731	Los Angeles CA	197	8.8719E-07	0.000174776
380028.1	3736877.1	295103	2	90731	Los Angeles CA	100	1.2053E-06	0.00012053
380071.5	3735311.2	296500	3	90731	Los Angeles CA	129	1.2477E-06	0.000160953
380097	3736477.2	295103	2	90731	Los Angeles CA	245	1.7533E-06	0.000429559
380104.7	3735889.7	296300	1	90731	Los Angeles CA	182	2.1319E-06	0.000388006
380110	3734883.1	296500	2	90731	Los Angeles CA	47	8.3412E-07	3.92036E-05
380151.8	3734766.8	296500	2	90731	Los Angeles CA	56	7.9718E-07	4.46421E-05
380153.3	3734962.1	296500	2	90731	Los Angeles CA	99	9.7462E-07	9.64874E-05
380195.2	3734647.4	296500	2	90731	Los Angeles CA	146	7.1136E-07	0.000103859
380196	3734519.4	296600	4	90731	Los Angeles CA	200	5.6729E-07	0.000113458
380215.8	3734884.1	296500	2	90731	Los Angeles CA	23	9.9411E-07	2.28645E-05
380216.6	3735761.8	296300	1	90731	Los Angeles CA	7	2.8088E-06	1.96616E-05
380248.7	3734773.6	296500	2	90731	Los Angeles CA	18	8.6521E-07	1.55738E-05
380258.6	3735050.2	296500	3	90731	Los Angeles CA	12	1.3329E-06	1.59948E-05
380268.4	3734970.7	296500	2	90731	Los Angeles CA	25	1.1941E-06	2.98525E-05
380269	3735307.5	296500	3	90731	Los Angeles CA	133	1.9715E-06	0.00026221
380351.1	3735127.3	296500	3	90731	Los Angeles CA	63	2.0973E-06	0.00013213
380393.1	3734091.1	296600	1	90731	Los Angeles CA	178	5.0479E-07	8.98526E-05
380394.7	3734191.7	296600	1	90731	Los Angeles CA	118	5.5282E-07	6.52328E-05
380396.5	3734292.2	296600	1	90731	Los Angeles CA	197	6.0004E-07	0.000118208
380398.2	3734392.7	296600	1	90731	Los Angeles CA	138	6.4079E-07	8.8429E-05
380399.8	3734493.2	296600	1	90731	Los Angeles CA	45	6.1204E-07	2.75418E-05
380402.7	3734593.4	296500	1	90731	Los Angeles CA	178	7.0699E-07	0.000125844
380406.2	3734694.3	296500	1	90731	Los Angeles CA	180	8.8436E-07	0.000159185
380423.9	3734962.1	296500	2	90731	Los Angeles CA	3	1.5983E-06	4.7949E-06
380433	3734794.4	296500	1	90731	Los Angeles CA	97	1.0766E-06	0.00010443
380550.9	3734901.7	296500	1	90731	Los Angeles CA	238	1.6919E-06	0.000402672
380596.3	3733987.2	296600	2	90731	Los Angeles CA	58	5.0525E-07	2.93045E-05
380598	3734087.8	296600	1	90731	Los Angeles CA	143	5.5255E-07	7.90147E-05
380599.6	3734188.3	296600	1	90731	Los Angeles CA	104	6.1869E-07	6.43438E-05
380601.3	3734288.8	296600	1	90731	Los Angeles CA	157	6.6531E-07	0.000104454
380601.3	3735336.2	296500	1	90731	Los Angeles CA	103	4.1647E-06	0.000428964
380603	3734389.3	296600	1	90731	Los Angeles CA	139	7.4052E-07	0.000102932
380603.2	3735235.2	296500	1	90731	Los Angeles CA	130	3.8479E-06	0.000500227
380604.6	3734489.8	296600	1	90731	Los Angeles CA	133	8.1259E-07	0.000108074
380606.3	3734590.4	296500	1	90731	Los Angeles CA	207	8.751E-07	0.000181146
380608	3734691.1	296500	1	90731	Los Angeles CA	116	1.0377E-06	0.000120373
380608.4	3735166.2	296500	1	90731	Los Angeles CA	86	4.8244E-06	0.000414898
380660.2	3737757.2	980015	1	90731	Los Angeles CA	3	7.1471E-07	2.14413E-06
380799.5	3733883.2	296220	3	90731	Los Angeles CA	92	5.0373E-07	4.63432E-05
380801.2	3733983.8	296220	3	90731	Los Angeles CA	17	5.3578E-07	9.10826E-06
380802.8	3734084.4	296220	3	90731	Los Angeles CA	15	5.9856E-07	8.9784E-06
380804.6	3734184.9	296220	2	90731	Los Angeles CA	402	6.589E-07	0.000264878
380806.2	3734285.5	296220	2	90731	Los Angeles CA	209	7.4245E-07	0.000155172
380807.8	3734385.9	296220	2	90731	Los Angeles CA	129	8.1785E-07	0.000105503
380809.5	3734486.5	296220	1	90731	Los Angeles CA	177	9.1958E-07	0.000162766
380811.2	3734587.1	296210	3	90731	Los Angeles CA	163	1.0928E-06	0.000178126
380812.9	3734687.6	296210	3	90731	Los Angeles CA	140	1.3106E-06	0.000183484
380814.6	3734788.2	296210	1	90731	Los Angeles CA	275	1.6568E-06	0.00045562
380815.7	3734925.8	296210	1	90731	Los Angeles CA	144	3.0718E-06	0.000442339
380999.7	3733793.2	297110	1	90731	Los Angeles CA	31	5.1897E-07	1.60881E-05
381003	3733880	296220	3	90731	Los Angeles CA	86	5.553E-07	4.77558E-05
381006.7	3734131.1	296220	3	90731	Los Angeles CA	431	6.5434E-07	0.000282021
381008.9	3734282.1	296220	2	90731	Los Angeles CA	197	8.2062E-07	0.000161662

381010.4	3734382.6	296220	2	90731	Los Angeles CA	463	9.5383E-07	0.000441623
381012.1	3734483.2	296220	1	90731	Los Angeles CA	274	1.0494E-06	0.000287536
381013.7	3734583.8	296210	3	90731	Los Angeles CA	204	0.000001218	0.000248472
381015.4	3734684.3	296210	3	90731	Los Angeles CA	200	1.5361E-06	0.00030722
381017.1	3734784.9	296210	1	90731	Los Angeles CA	167	2.0506E-06	0.00034245
381018.8	3734885.5	296210	1	90731	Los Angeles CA	250	3.0059E-06	0.000751475
381077.7	3735254.4	296210	1	90731	Los Angeles CA	8	4.3861E-06	3.50888E-05
381130.7	3734279.8	296220	2	90731	Los Angeles CA	93	8.6471E-07	8.0418E-05
381133.2	3734481.3	296220	1	90731	Los Angeles CA	90	1.1285E-06	0.000101565
381197.4	3734279.2	296220	2	90731	Los Angeles CA	80	8.7807E-07	7.02456E-05
381198.5	3734379.6	296220	2	90731	Los Angeles CA	115	1.0032E-06	0.000115368
381199.6	3734681.4	296210	3	90731	Los Angeles CA	185	1.7147E-06	0.00031722
381199.9	3734480.2	296220	1	90731	Los Angeles CA	129	1.1609E-06	0.000149756
381201.2	3734782	296210	2	90731	Los Angeles CA	185	2.2313E-06	0.000412791
381201.8	3733776	297110	1	90731	Los Angeles CA	33	5.542E-07	1.82886E-05
381202.7	3734882.5	296210	2	90731	Los Angeles CA	187	3.2577E-06	0.00060919
381204.2	3733876.4	296220	3	90731	Los Angeles CA	165	6.0262E-07	9.94323E-05
381216.5	3733992.7	296220	3	90731	Los Angeles CA	390	6.3098E-07	0.000246082
381264.4	3736297.2	980031	1	90744	Los Angeles CA	8	6.9592E-06	5.56736E-05
381276.8	3734277.7	296220	2	90731	Los Angeles CA	97	9.0069E-07	8.73669E-05
381278.5	3734378.3	296220	2	90731	Los Angeles CA	118	0.000001027	0.000121186
381280.2	3734478.9	296220	1	90731	Los Angeles CA	111	1.1901E-06	0.000132101
381282.6	3734608.9	296210	3	90731	Los Angeles CA	477	1.5085E-06	0.000719555
381283	3735043.9	296210	2	90731	Los Angeles CA	241	0.000010299	0.002482059
381283.8	3734942.3	296210	2	90731	Los Angeles CA	193	5.6985E-06	0.001099811
381338	3738336.4	294900	1	90744	Los Angeles CA	68	5.0969E-07	3.46589E-05
381353.3	3734276.5	296220	2	90731	Los Angeles CA	68	9.2361E-07	6.28055E-05
381355.1	3734377	296220	2	90731	Los Angeles CA	114	1.0448E-06	0.000119107
381356.7	3734477.6	296220	1	90731	Los Angeles CA	95	1.2077E-06	0.000114732
381363.1	3738240.3	294900	1	90744	Los Angeles CA	75	5.4401E-07	4.08008E-05
381377.9	3738142.4	294900	1	90744	Los Angeles CA	67	5.8268E-07	3.90396E-05
381380.9	3734169.9	296220	3	90731	Los Angeles CA	8	8.269E-07	6.6152E-06
381386.1	3738047.4	294900	1	90744	Los Angeles CA	72	6.2531E-07	4.50223E-05
381390.3	3737975.5	294900	1	90744	Los Angeles CA	44	6.6175E-07	0.000029117
381428.4	3734275.2	296220	2	90731	Los Angeles CA	62	9.4194E-07	5.84003E-05
381430	3734375.8	296220	2	90731	Los Angeles CA	49	0.000001059	0.000051891
381441.2	3738294.9	294900	1	90744	Los Angeles CA	41	5.1399E-07	2.10736E-05
381467.6	3734324.8	296220	2	90731	Los Angeles CA	31	1.0101E-06	3.13131E-05
381531.2	3733817.9	980031	1	90731	Los Angeles CA	1	6.4245E-07	6.4245E-07
381584.1	3738082.3	294900	2	90744	Los Angeles CA	35	0.000000566	0.00001981
381585.2	3738154.9	294900	2	90744	Los Angeles CA	61	5.3869E-07	3.28601E-05
381590.7	3738251	294900	2	90744	Los Angeles CA	62	5.0763E-07	3.14731E-05
381591.7	3738034.9	294900	2	90744	Los Angeles CA	22	5.8493E-07	1.28685E-05
381601.7	3737967.5	294900	2	90744	Los Angeles CA	26	6.1087E-07	1.58826E-05
381656.7	3737670.8	294900	1	90744	Los Angeles CA	103	7.3903E-07	7.61201E-05
381657.7	3737829.5	294900	1	90744	Los Angeles CA	63	6.5344E-07	4.11667E-05
381660.7	3738151.9	294900	2	90744	Los Angeles CA	48	5.1512E-07	2.47258E-05
381661.2	3737992.3	294900	2	90744	Los Angeles CA	23	5.8327E-07	1.34152E-05
381742	3738121.5	294900	2	90744	Los Angeles CA	52	5.0621E-07	2.63229E-05
381748.4	3738000.7	294900	2	90744	Los Angeles CA	115	5.5873E-07	6.4254E-05
381756.9	3737839.8	294900	1	90744	Los Angeles CA	82	6.181E-07	5.06842E-05
381765.4	3737678.8	294900	1	90744	Los Angeles CA	150	6.8874E-07	0.000103311
381885.7	3737684.8	294900	1	90744	Los Angeles CA	262	6.4142E-07	0.000168052
381989.7	3738014	294900	1	90744	Los Angeles CA	359	5.018E-07	0.000180146
381997.6	3737853	294900	1	90744	Los Angeles CA	222	5.4986E-07	0.000122069
382006.4	3737691.8	294900	1	90744	Los Angeles CA	241	6.0418E-07	0.000145607
382118.7	3737859	294830	1	90744	Los Angeles CA	651	5.2083E-07	0.00033906

382127.2	3737698	294830	1	90744	Los Angeles CA	136	5.675E-07	0.00007718
382247.8	3737704.4	294830	1	90744	Los Angeles CA	284	5.382E-07	0.000152849
382368.4	3737710.7	294830	1	90744	Los Angeles CA	156	5.1199E-07	7.98704E-05
382497.5	3737556.2	294830	1	90744	Los Angeles CA	1	5.277E-07	5.277E-07

APPENDIX C

DETAILED ENERGY CALCULATIONS

Construction Off-Road Equipment											
Phase	**Off-Road Equipment Type**	**Amount**	**Usage Hour/Day**	**Total Usage Days**	**Total Usage Hours/Equipment**	**Horsepower**	**Load Factor**	**Total Usage Hours/ Equipment**	**Horsepower-Hour**	**Fuel Usage (gallons)**	
Site Preparation	Rubber Tired Dozers	3	8	45	1,080	367	0.4	1,080	158,544.0	8,117.45	
	Tractors/Loaders/Backhoes	4	8	45	1,440	84	0.37	1,440	44,755.2	2,291.47	
Grading	Excavators	2	8	70	1,120	36	0.38	1,120	15,321.6	784.47	
	Graders	1	8	70	560	148	0.41	560	33,980.8	1,739.82	
	Rubber Tired Dozers	1	8	70	560	367	0.4	560	82,208.0	4,209.05	
	Scrapers	2	8	70	1,120	423	0.48	1,120	227,404.8	11,643.13	
	Tractors/Loaders/Backhoes	2	8	70	1,120	84	0.37	1,120	34,809.6	1,782.25	
Paving	Pavers	2	8	30	480	81	0.42	480	16,329.6	836.08	
	Paving Equipment	2	8	30	480	89	0.36	480	15,379.2	787.42	
	Rollers	2	8	30	480	36	0.38	480	6,566.4	336.20	
Architectural Coating	Air Compressors	1	6	30	180	37	0.48	180	3,196.8	163.68	
									Total	**32,691.00**	Diesel

Construction Truck and Construction Worker Vehicle Fuel Efficiency				
		EMFAC 2021 Outputs		
Vehicle Type	Vehicle Class	Fuel Consumption (1,000 gallons/day)	VMT (miles/ day)	Fuel Efficency (miles/gallon)
Construction Truck	MHDT	291.43	2,609,688.0	9.0
	HHDT	1,113.65	6,854,848.0	6.2
	HHDT/MHDT	-	-	7.6
Construction Worker Vehicle	LDA	4,457.06	132,004,234.0	29.6
	LDT1	463.65	11,445,443.4	24.7
	LDT2	2,753.10	67,107,094.5	24.4
	Worker Mix	-	-	27.1

Notes:

[1] For construction trucks assumes 50 percent HHDT and 50 percent MHDT vehicles, consistent with assumptions in CalEEMod for hauling trucks. For construction worker vehicles assumes 50 percent LDA, 25 percent LDT1, and 25 percent LDT2 vehicles, consistent with assumptions in CalEEMod for worker vehicles.

[2] EMFAC2021 was run for Los Angeles County for the construction year 2025. Data was aggregated over all vehicle model years and speed bins.

[3] The fuel efficiency was calculated by dividing the VMT (miles/day) by the fuel consumption (gallons/day).

Construction Vehicle Fuel Use - Diesel Vehicles						
Phase	Trip Type	Total Trips	Trip Length (miles)	Total VMT	Diesel Fuel Effiency (miles/gallon)	Fuel Usage (gallons/year)
Site Prepation	Hauling	126.0	117.0	14,742.0	6.2	2,377.7
Grading	Hauling	859.6	20.0	17,192.0	6.2	2,772.9
					Total	**5,150.6** Diesel

[1] Assumes 100 percent HHDT vehicles for haul trucks and 50 percent HHDT/50 percent MHDT vehicles for MHDT, consistent with assumptions in CalEEMod.

[2] EMFAC2021 was run for Los Angeles County for the construction year 2025. Data was aggregated over all vehicle model years and speed bins.

[3] The fuel efficiency was calculated by dividing the VMT (miles/day) by the fuel consumption (gallons/day).

Construction Worker Vehicle Fuel Use - Gasoline Vehicles							
Phase	Total One-Way Trips/Day	Total Days	Total Trips	Trip Length (miles)	Total VMT	Gasoline Fuel Effiency (miles/gallon)	Fuel Usage (gallons/year)
Site Preparation	17.5	45	1,575.0	18.5	29,137.5	27.4	1,063.4
Grading	20.0	70	2,800.0	18.5	51,800.0	27.4	1,890.5
Paving	15.0	30	900.0	18.5	16,650.0	27.4	607.7
Architectural Coating	0.0	30	-	18.5	-	27.4	-
						Total	**3,561.6** Gas

Total Construction Gasoline Usage	3,561.59
Total Construction Diesel Usage	37,841.64

Proposed Project Operational Trips			
Vehicle Class	CalEEMod	Total Project Trips	Total Trips per Vehicle Class
LDA	0.0010	1,808.0	1.81
LDT1	0.0045	1,808.0	8.14
LDT2	0.0010	1,808.0	1.81
MDV	0.0010	1,808.0	1.81
LHD1	-	1,808.0	-
LHD2	-	1,808.0	-
MHD		1,808.0	-
HHD	0.9925	1,808.0	1,794.44
OBUS	-	1,808.0	-
UBUS	-	1,808.0	-
MCY	-	1,808.0	-
SBUS	-	1,808.0	-
MH	-	1,808.0	-

Proposed Project Operational Trips – Fuel Efficiency					
Fuel	Vehicle Class	EMFAC2021 Outputs1			
		Fleet Mix (%)2	Consumption (1,000 gallons/day)	VMT (miles/day)	Fuel Efficiency3 (miles/gallon)
Gas	LDA	0.52	4,457.06	132,004,234.0	29.62
	LDT1	0.05	463.65	11,445,443.4	24.69
	LDT2	0.26	2,753.10	67,107,094.5	24.38
	MDV	0.15	1,878.42	37,248,308.09	19.83
	LHD1	0.02	365.06	5,050,030.72	13.83
	MCY	0.00	24.45	1,011,349.12	41.36
	MH	0.00	31.92	154,665.78	4.84
	Fleet Mix	–	–	–	26.29
Diesel	LHD2	0.11	68.74	1,195,933.00	17.40
	MHDT	0.24	291.43	2,609,688.00	8.95
	HHDT	0.64	1,113.65	6,854,848.00	6.16
	Fleet Mix	–	–	–	8.10

Notes:

1 EMFAC2021 was run for Los Angeles County for the operational year 2025. Data was aggregated over all vehicle model years and speed bins.

2 Fleet mix is based on assumptions made in CalEEMod for the proposed project.

3 The fuel efficiency was calculated by dividing the VMT (miles/day) by the fuel consumption (gallons/day).

Proposed Project Operational Trips – Fuel Usage						
Land Use	Total Annual VMT2 (miles/year)	Fuel Type	Portion of Fleet3 (%)	VMT by Fuel Type (miles/year)	Fleet Mix Efficiency4 (miles/gallon)	Fuel Usage (gallons/ year)
Parking Lot	2,529,766.00	Gas	0.01	18,973.25	26.29	721.62
		Diesel	0.99	2,510,792.76	6.16	407,596.23
					Total Gasoline/year	**721.62**
					Total Diesel/year	**407,596.23**

Notes:

1 Calculated for operational year 2025 only. Future years will likely use less fuel due to more efficient cars.

2 Total VMT is based on project's trip generation and trip lengths.

3 Fleet distribution is based on EMFAC2021 output and CalEEMod assumptions.

4 Fuel efficiency is based on fuel consumption and VMT data from EMFAC2021 for San Bernardino County and total VMT.

Electricity Usage	
Electricity by Land Use	**kWh/year**
Parking Lot	711,085
Total	**711,085**

Natural Gas Usage			
Natural Gas by Land Use	**kBTU/year**	**BTU/year**	**therms/year**
Parking Lot	0	0	0
Total	-	-	-